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# Fish and Hydrographic Collections Made by the Research Vessels *Dolphin* and *Delaware II* During 1968-72 From New York to Florida

S. J. WILK and M. J. SILVERMAN

SEATTLE, WA
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# Fish and Hydrographic Collections Made by the Research Vessels *Dolphin* and *Delaware II* During 1968-72 From New York to Florida

S. J. WILK and M. J. SILVERMAN[1]


## ABSTRACT

**Information is given in tabular form for fish and hydrographic observations collected during 18 cruises made by the research vessels *Dolphin* and *Delaware II* from New York to Florida during 1968-72. Tables include station locations with related hydrographic observations and number, weight, and size range of fish species caught.**


## INTRODUCTION

The Sandy Hook Marine Laboratory began a series of 18 trawl cruises in 1968 to study the life histories of five species of the family Sciaenidae occurring along the Atlantic coast: weakfish, *Cynoscion regalis*; spot, *Leiostomus xanthurus*; southern kingfish, *Menticirrhus americanus*; northern kingfish, *Menticirrhus saxatilis*; and Atlantic croaker, *Micropogon undulatus*. These studies included age and growth, distribution, migration, reproduction, and population structure. This paper reports the fishes collected and hydrographic observations made during these trawl cruises.

## SURVEY DESIGN

Sampling areas and time of each cruise depended on the particular aspect of sciaenid biology under study and the availability of vessels. All cruises, with the exception of those specifically designed for tagging or gear experiments, were conducted along predetermined transects. These were normal to the shore and extended seaward as far as 167 km (90 nautical miles). Sampling stations were spaced at intervals of 1 to 22 km (0.5 to 12.0 nautical miles), the spacing depending on the fishing intensity required to fulfill particular collection requirements. In addition, when time and weather permitted, special trawl stations were made at the mouths of inlets.

In all tables, the *Dolphin* cruises are encoded by the letter D and the *Delaware II* cruises by the abbreviation Del. These are followed by year digits and a series of numbers assigned consecutively during the year. For example, Del-72-15 was the 15th cruise of the *Delaware II* in 1972. Each station is designated by a number, indicating the consecutive station order for the particular cruise.

Table 1 gives the cruise designations, dates, geographical boundaries, number of stations completed, and primary purpose of each cruise. Appendix Table 1 gives station dates, coordinates to the nearest 0.2 km (0.1 nautical mile), time of day, trawling time, total catch, and hydrographic observations.

## INSTRUMENTS AND COLLECTING GEAR

A strip-chart recorder provided a continuous record of surface water temperature. On station, surface water temperatures were measured with stem thermometers accurate to ±0.1°C. Vertical temperature profiles were obtained with a mechanical bathythermograph. Salinity was measured with a portable salinometer, which also provided supplementary temperature data.

All finfish collections were made with a ¾-scale version of a Yankee No. 36 otter trawl having a 16.5-m (54-foot) footrope and an 11.9-m (39-foot) headrope. The wings, square, and bellies of the trawl were constructed of 127-mm (5-inch) stretched measure No. 54 braided flat nylon and the cod end of 51-mm (2-inch) stretched measure No. 30 braided flat nylon. A sweep line consisting of about 1,000 rubber discs 114 mm (4.5 inches) in diameter strung on 10-mm (0.38-inch) chain was attached to the footrope at intervals of about 356 mm (14 inches). Twelve 203-mm (8-inch) diameter aluminum trawl floats were equally spaced along the headrope. The trawl was fished with 11.6-m (38-foot) legs and 16.5-m (54-foot) ground cables. The bottom legs and ground cables were both constructed of 19-mm (0.75-inch) 6 × 19 steel cable and the top legs of 13-mm (0.50-inch) 6 × 19 steel cable. New England otter trawl doors constructed of wood and steel weighing 226.8 kg (500 pounds) were used with this trawl during cruises aboard the *Dolphin*. Doors of the same basic design weighing 226.8 to 340.2 kg (500-700 pounds) were used aboard the *Delaware II*.

## THE SURVEY

Loran A navigation was the principal method used for positioning the *Dolphin* and *Delaware II* on collecting stations. Because of inherent limitations of Loran A navigation, accuracy of positioning on offshore stations cannot be considered better than ±1.8 km (1.0 nautical mile). Increased accuracy was obtained on inshore stations by use of radar, land ranges, and by visual sightings of buoys, lightships, and light towers.

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Table 1.--Summary of cruises.

| Cruise code | Dates | Geographical boundaries | No. of stn. | Purpose of study |
|---|---|---|---|---|
| D-68-7 | July 30-Aug. 2, 1968 | Moriches Inlet, N.Y. to Shark River Inlet, N.J. | 23 | Determine the distribution of weakfish and related species in relation to bottom temperatures. |
| D-68-13 | Oct. 29-Nov. 8, 1968 | Oregon Inlet, N.C. to Bogue Inlet, N.C. | 55 | (1) Determine selectivity of various codend mesh sizes in trawls fishing for sciaenid species; (2) collect living specimens of sciaenids for tag-testing; (3) tag and release Paralichthys sp. |
| D-69-9 | Apr. 15-25, 1969 | Cape May, N.J. to Cape Lookout area of N.C. | 69 | (1) Tag and release weakfish, spot, and Atlantic croaker; (2) collect age and growth material relevant to sciaenids; (3) sample for juvenile sciaenids, sea basses, and Paralichthys sp.; (4) tag and release Paralichthys sp. |
| D-69-15 | June 25-30, 1969 | Sea Bright, N.J. to Ocean City, Md. | 70 | (1) Collect sciaenids for studies of age, growth, morphometrics, feeding, spawning, and distribution; (2) tag and release sciaenids for migration and growth studies. |
| D-69-21 | Aug. 19-21, 1969 | A single transect off Ocean City, Md. | 5 | Same as D-69-15. |
| D-69-23 | Sept. 10-18, 1969 | Barnegat Inlet, N.J. to Cape Fear, N.C. | 45 | Same as D-69-15. |
| D-69-25 | Sept. 30-Oct. 1, 1969 | Shinnecock Inlet, N.Y. to Jones Inlet, N.Y. | 13 | Same as D-69-15. |
| D-69-29 | Oct. 28-Nov. 6, 1969 | Ocracoke Inlet, N.C. to Charleston, S.C. | 27 | Same as D-69-15. |
| D-70-7 | May 6-7, 1970 | A single transect off Great Egg Harbor, N.J. | 4 | Same as D-69-15. |
| D-70-16 | July 6-10, 1970 | Fire Island Inlet, N.Y. to Ocean City, Md. | 39 | Same as D-69-15. |
| D-70-19 | Aug. 3-7, 1970 | Fire Island Inlet, N.Y. to Ocean City, Md. | 40 | Same as D-69-15. |
| D-71-3 | Mar. 29-Apr. 9, 1970 | Barnegat Inlet, N.J. to New Smyrna Beach, Fla. | 41 | (1) Collect material relevant to age, growth, morphometrics, feeding, spawning, migration, and distribution of weakfish, spot, Atlantic croaker, and kingfishes; (2) collect larval summer flounder. |
| D-71-11 | July 12-23, 1971 | Barnegat Inlet, N.J. to Ponce de Leon Inlet, Fla. | 49 | (1) Collect material relevant to age, growth, morphometrics, feeding, spawning, migration, and distribution of sciaenid species; (2) collect specimens of Paralichthys sp. for morphometric and meristic studies. |
| D-71-14 | Aug. 23-27, 1971 | Fire Island, N.Y. to Ocean City, Md. | 34 | (1) Same as item 1 of D-71-11; (2) define biologically and hydrographically a cell of cold bottom water which repeatedly occurs in the N.Y. Bight during the summer. |
| Del-71-2 | Nov. 2-3, 1971 | Fire Island, N.Y. to Barnegat Inlet, N.J. | 9 | Check comparability of Delaware II and Dolphin in towing 3/4 combination trawl. |
| Del-71-3 | Nov. 8-19, 1971 | Assateague Island, Va. to Cape Kennedy, Fla. | 69 | (1) Same as D-71-11; (2) continue survey of coastal fishes. |
| Del-72-8 | Mar. 20-31, 1972 | Oregon Inlet, N.C. to Cape Kennedy, Fla. | 75 | (1) Same as Del-71-3; (2) make neuston net tows at each trawl station to sample for juvenile fishes. |
| Del-72-15 | May 15-26, 1972 | Oregon Inlet, N.C. to Cape Kennedy, Fla. | 77 | Same as Del-71-3. |

Hydrographic data obtained routinely at the beginning of each station consisted of vertical temperature and salinity profiles as well as surface temperature and depth. Salinity was measured at the surface and at 5-m intervals as determined by markings on the portable salinometer cable. The cable was kept as nearly vertical as possible by attaching a 4.5-kg (10-pound) weight to the sensor and by moving the vessel slowly in the direction of drift. Deviations from this procedure were made during some cruises and on particular stations because of the depth limit of the salinometer cable, weather conditions, instrument failure, or close proximity of stations. Only measurements of depth and of the temperature and salinity at the surface and bottom are given in Appendix Table 1. All additional hydrographic data are on file at the Middle Atlantic Coastal Fisheries Center.

Trawl tows were made along isobaths to avoid sudden depth changes. Towing duration was 3 to 70 min, but most tows were 15 min. Towing speed was about 5.6 km/h (3 knots).

At the conclusion of each tow, the trawl was hauled back and emptied onto a fish sorting table where all finfish were sorted and identified. Sources of identification used were: Jordan and Evermann (1896-1900), Hildebrand and Schroeder (1928), Beebe and Tee-Van (1933), Ginsburg (1937, 1950, 1951, 1952, 1953), Hildebrand (1943), Breder (1948), Bigelow and Schroeder (1953), Berry (1959a, 1959b), Miller (1959), Berry and Anderson (1961), Berry and Vogele (1961), Jutare (1962), Casey (1964), Rivas (1964), Eschmeyer (1965), Anderson et al. (1966), Greenwood et al. (1966), Randall and Caldwell (1966), Anderson (1967), Gutherz (1967), Moore (1967), Böhlke and Chaplin (1968), Randall (1968), and Shipp and Yerger (1969).

Sciaenid species of interest were dealt with in one or more of the following ways: counted, weighed, and measured; tagged and released; or frozen for laboratory determination of age, growth, racial characteristics, and fecundity. When time and personnel permitted, specimens of other species were weighed, counted, and a random sample measured to the nearest centimeter. When the number of any species was excessive, the total number was estimated by counting and weighing the specimens in a subsample. The data for several of the early cruises are incomplete owing largely to the lack of personnel.

Appendix Table 2 is a phylogenetic list of the 217 species and 77 families of fishes collected during the 18 cruises. Unless indicated, scientific and common names are according to Bailey et al. (1970). Length measurements are expressed as total length.

Collected data were recorded on appropriate automatic data processing forms, transferred to punch cards, and incorporated into sorting, listing, and statistical systems to simplify data recall and analysis. Arrangements of data presented here were accomplished using these systems.

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Appendix Table 1.--Summary of cruise stations.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D-68-7 | July | | | | | | | | | | | | |
| 1 | 30 | 40°25.0' | 73°58.0' | 0851 | 15 | 44 | * | 6 | 7 | 19.9 | 16.7 | 28.3 | 30.0 |
| 2 | 30 | 40°25.2' | 73°57.2' | 0957 | 15 | 18 | * | 3 | 7 | 19.9 | 14.1 | 28.8 | 30.8 |
| 3 | 30 | 40°26.5' | 73°56.4' | 1057 | 17 | 103 | * | 6 | 14 | 19.9 | 10.6 | 28.2 | 31.2 |
| 4 | 30 | 40°25.0' | 73°52.2' | 1223 | 17 | 422 | * | 8 | 22 | 20.1 | 8.9 | 28.5 | 31.3 |
| 5 | 30 | 40°24.9' | 73°46.0' | 1509 | 18 | 2 | * | 2 | 37 | 23.0 | 8.4 | 30.0 | 30.7 |
| 6 | 30 | 40°24.8' | 73°38.8' | 1630 | 22 | 13 | * | 2 | 20 | 23.6 | 9.8 | 29.9 | 30.3 |
| 7 | 30 | 40°19.0' | 73°36.1' | 1821 | 18 | 124 | * | 3 | 26 | 23.5 | 10.9 | 29.9 | 30.7 |
| 8 | 31 | 40°24.5' | 73°36.3' | 0628 | 20 | 31 | * | 4 | 18 | 23.0 | 10.8 | 30.0 | 30.6 |
| 9 | 31 | 40°29.5' | 73°36.5' | 0757 | 18 | 28 | * | 5 | 18 | 19.6 | 14.2 | 28.3 | 31.0 |
| 10 | 31 | 40°32.5' | 73°36.0' | 0918 | 18 | 302 | * | 7 | 14 | 20.2 | 14.1 | 29.6 | 30.9 |
| 11 | 31 | 40°33.4' | 73°36.0' | 1000 | Trawl hung and catch lost | | | | 37 | 20.4 | 14.8 | 29.3 | 30.7 |
| 12 | 31 | 40°34.1' | 73°35.2' | 1040 | 10 | 109 | * | 7 | 7 | 24.4 | 16.3 | 29.2 | 30.5 |
| 13 | 31 | 40°34.5' | 73°33.0' | 1127 | 13 | 114 | * | 7 | 7 | 20.8 | 18.9 | 29.9 | 31.0 |
| 14 | 31 | 40°37.0' | 73°18.7' | 1330 | 18 | 75 | * | 10 | 10 | 21.5 | 16.7 | 29.6 | 30.7 |
| 15 | 31 | 40°36.5' | 73°17.4' | 1413 | 19 | 17 | * | 5 | 13 | 21.7 | 14.8 | 29.6 | 31.0 |
| 16 | 31 | 40°36.0' | 73°19.3' | 1506 | 19 | 32 | * | 2 | 14 | 21.7 | 14.4 | 29.0 | 30.6 |
| 17 | 31 | 40°35.2' | 73°15.5' | 1609 | 21 | 32 | * | 3 | 15 | 21.1 | 13.9 | 29.9 | 30.6 |
| 18 | 31 | 40°32.5' | 73°19.3' | 1746 | 24 | 4 | * | 2 | 22 | 21.7 | 12.6 | 29.2 | 30.4 |
| | Aug. | | | | | | | | | | | | |
| 19 | 1 | 40°45.0' | 72°45.5' | 0617 | 18 | 14 | * | 4 | 9 | 21.5 | 18.1 | 30.0 | 30.2 |
| 20 | 1 | 40°45.0' | 72°44.1' | 0657 | 20 | 26 | * | 4 | 15 | 21.5 | 14.9 | 30.1 | 30.4 |
| 21 | 1 | 40°43.7' | 72°45.0' | 0753 | 19 | 22 | * | 5 | 21 | 21.1 | 13.0 | 29.8 | 30.7 |
| 22 | 1 | 40°41.5' | 72°42.3' | 0853 | 19 | 19 | * | 8 | 27 | 20.5 | 8.9 | 30.0 | 31.2 |
| 23 | 1 | 40°14.3' | 73°46.4' | 1433 | 21 | 12 | * | 3 | 62 | 23.5 | 7.4 | 30.2 | 31.2 |
| D-68-13 | Oct. | | | | | | | | | | | | |
| 1 | 31 | 34°33.5' | 76°35.5' | 1352 | 30 | 145 | 17.1 | 4 | 15 | 20.1 | 20.0 | 35.2 | 35.4 |
| 2 | 31 | 34°34.0' | 76°33.5' | 1448 | 30 | + | + | 17 | * | * | * | * | * |
| 3 | 31 | 34°36.2' | 76°33.6' | 1615 | 30 | + | + | 16 | * | * | * | * | * |
| 4 | 31 | 34°36.5' | 76°33.8' | 1934 | 61 | + | 64.0 | 13 | * | * | * | * | * |
| 5 | 31 | 34°39.6' | 76°40.5' | 2305 | 17 | + | 149.6 | 7 | * | * | * | * | * |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Nov. | | | | | | | | | | | | |
| 6 | 1 | 34°40.2' | 76°39.1' | 0338 | 25 | + | + | 12 | * | * | * | * | * |
| 7 | 1 | 34°36.1' | 76°33.8' | 0643 | 30 | + | 75.8 | 14 | 11 | 19.0 | 18.9 | 35.0 | 35.1 |
| 8 | 1 | 34°36.6' | 76°33.9' | 0859 | 38 | + | 385.6 | 14 | * | * | * | * | * |
| 9 | 1 | 34°34.6' | 76°34.5' | 1022 | 38 | + | + | 10 | * | * | * | * | * |
| 10 | 1 | 34°39.5' | 76°40.1' | 1253 | 45 | + | 104.6 | 12 | * | * | * | * | * |
| 11 | 1 | 34°38.0' | 76°26.5' | 1742 | 30 | + | + | 11 | 13 | 19.9 | 19.9 | 35.4 | 35.5 |
| 12 | 1 | 34°45.0' | 76°23.0' | 1907 | 31 | + | + | 13 | * | * | * | * | * |
| 13 | 1 | 34°48.5' | 76°19.5' | 2018 | 23 | + | + | * | * | * | * | * | * |
| 14 | 1 | 34°51.5' | 76°12.0' | 2120 | 35 | + | + | * | * | * | * | * | * |
| 15 | 1 | 35°00.5' | 76°03.0' | 2255 | 30 | + | + | 13 | * | * | * | * | * |
| 16 | 2 | 34°36.5' | 76°34.0' | 0716 | 16 | + | 573.8 | 16 | * | * | * | * | * |
| 17 | 2 | 34°36.5' | 76°34.0' | 0933 | 36 | + | 421.8 | 12 | * | * | * | * | * |
| 18 | 2 | 34°36.5' | 76°34.0' | 1109 | 59 | + | + | 6 | 18 | 19.5 | 19.5 | 34.9 | 35.1 |
| 19 | 2 | 34°34.5' | 76°33.0' | 1312 | 60 | + | 104.6 | 5 | * | * | * | * | * |
| 20 | 2 | 34°34.3' | 76°34.7' | 1442 | 60 | * | * | * | * | * | * | * | * |
| 21 | 3 | 34°36.3' | 76°33.9' | 1125 | 30 | + | + | 7 | 13 | 19.4 | 19.3 | 34.9 | 35.0 |
| 22 | 3 | 34°34.5' | 76°34.3' | 1214 | 46 | + | 345.6 | 8 | * | * | * | * | * |
| 23 | 3 | 34°34.1' | 76°34.0' | 1325 | 65 | + | 238.4 | 8 | * | * | * | * | * |
| 24 | 3 | 34°34.4' | 76°34.3' | 1448 | 59 | + | 172.1 | 8 | * | * | * | * | * |
| 25 | 3 | 34°34.3' | 76°33.1' | 1605 | 70 | + | + | 8 | * | * | * | * | * |
| 26 | 3 | 34°39.5' | 76°40.5' | 1826 | 18 | + | + | 9 | * | * | * | * | * |
| 27 | 3 | 34°41.1' | 76°44.0' | 1959 | 31 | + | 68.0 | 5 | * | * | * | * | * |
| 28 | 3 | 34°36.4' | 76°35.4' | 2150 | 30 | + | + | 4 | * | * | * | * | * |
| 29 | 3 | 34°34.6' | 76°33.8' | 2245 | 45 | + | 217.3 | 9 | * | * | * | * | * |
| 30 | 4 | 34°34.6' | 76°34.7' | 0015 | 33 | + | 161.3 | 7 | * | * | * | * | * |
| 31 | 4 | 34°35.5' | 76°34.0' | 0121 | 63 | + | 304.4 | 8 | * | * | * | * | * |
| 32 | 4 | 34°36.0' | 76°35.0' | 0304 | 61 | + | 245.8 | 11 | * | * | * | * | * |
| 33 | 4 | 34°35.5' | 76°33.9' | 0449 | 60 | + | + | 8 | * | * | * | * | * |
| 34 | 4 | 34°39.5' | 76°41.0' | 0704 | 33 | + | + | 4 | * | * | * | * | * |
| 35 | 4 | 34°41.1' | 76°43.9' | 0829 | 27 | + | * | * | * | * | * | * | * |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | 4 | 34°36.6' | 76°34.0' | 1010 | 40 | + | 694.9 | 7 | * | * | * | * | * |
| 37 | 4 | 34°36.5' | 76°34.3' | 1147 | 37 | + | 134.3 | 7 | * | * | * | * | * |
| 38 | 4 | 34°34.6' | 76°35.3' | 1245 | 52 | + | + | 12 | * | * | * | * | * |
| 39 | 4 | 34°33.2' | 76°35.3' | 1438 | 42 | + | 308.0 | 10 | * | * | * | * | * |
| 40 | 5 | 34°33.0' | 76°35.7' | 0808 | 38 | + | 18.6 | 5 | 19 | 19.4 | 19.9 | 34.8 | 35.6 |
| 41 | 5 | 34°32.6' | 76°35.6' | 0913 | 47 | + | 42.0 | 3 | * | * | * | * | * |
| 42 | 5 | 34°33.3' | 76°33.5' | 1056 | 60 | + | 196.9 | 12 | * | * | * | * | * |
| 43 | 5 | 34°36.2' | 76°33.8' | 1227 | 32 | + | + | 10 | * | * | * | * | * |
| 44 | 5 | 34°34.3' | 76°34.0' | 1318 | 49 | + | + | 13 | * | * | * | * | * |
| 45 | 5 | 34°35.1' | 76°34.6' | 1435 | 58 | + | + | 10 | * | * | * | * | * |
| 46 | 5 | 34°39.6' | 76°40.2' | 1633 | 26 | + | + | 17 | * | * | * | * | * |
| 47 | 5 | 34°39.5' | 76°38.0' | 1735 | 30 | + | + | 11 | * | * | * | * | * |
| 48 | 6 | 34°41.0' | 76°43.8' | 0730 | 30 | + | + | 4 | * | * | * | * | * |
| 49 | 6 | 34°40.1' | 76°42.0' | 0848 | 22 | + | + | 11 | * | * | * | * | * |
| 50 | 6 | 34°39.8' | 76°41.3' | 1032 | 13 | + | + | 10 | * | * | * | * | * |
| 51 | 6 | 34°39.9' | 76°41.3' | 1125 | 17 | + | + | 13 | * | * | * | * | * |
| 52 | 6 | 35°35.0' | 75°13.5' | 2159 | 11 | * | * | 3 | 35 | 18.6 | 18.6 | 33.0 | 33.1 |
| 53 | 6 | 35°35.5' | 75°12.5' | 2229 | 32 | * | * | 2 | * | * | * | * | * |
| 54 | 7 | 35°38.0' | 75°22.0' | 0028 | 45 | + | + | 3 | * | * | * | * | * |
| 55 | 7 | 35°40.0' | 75°22.5' | 0133 | 62 | * | * | 3 | * | * | * | * | * |
| D-69-9 | Apr. | | | | | | | | | | | | |
| 1 | 16 | 36°35.0' | 75°34.0' | 1013 | 15 | 16 | * | 5 | 24 | 9.2 | 8.3 | 34.1 | 33.6 |
| 2 | 16 | 36°23.0' | 75°45.5' | 1235 | 18 | + | + | 7 | 15 | 10.8 | 9.3 | 31.6 | 33.0 |
| 3 | 16 | 36°16.0' | 75°33.0' | 1435 | 25 | 41 | * | 6 | 26 | 10.5 | 8.2 | 32.7 | 34.2 |
| 4 | 16 | 36°04.5' | 75°38.5' | 1633 | 22 | + | * | 12 | 16 | 10.6 | 9.2 | 32.2 | 33.3 |
| 5 | 16 | 35°45.5' | 75°24.0' | 1910 | 30 | 58 | * | 7 | 24 | 10.4 | 9.3 | 32.1 | 33.2 |
| 6 | 17 | 35°00.0' | 75°30.0' | 0035 | 20 | 12 | * | 6 | 44 | 23.0 | 20.0 | 36.8 | 36.6 |
| 7 | 17 | 34°58.0' | 75°54.0' | 0353 | 15 | + | * | 10 | 25 | 16.3 | 19.1 | 35.6 | 36.6 |
| 8 | 17 | 35°01.5' | 76°01.0' | 0517 | 18 | 1,162 | * | 15 | 16 | 16.1 | 16.4 | 34.9 | 35.7 |
| 9 | 17 | 34°56.0' | 76°08.5' | 0718 | 27 | + | + | 6 | 14 | 15.9 | 16.1 | 34.9 | 35.4 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 17 | 34°53.0' | 76°15.0' | 0909 | 23 | 807 | + | 3 | 14 | 15.9 | 16.1 | 34.9 | 35.4 |
| 11 | 17 | 34°51.0' | 76°16.5' | 1004 | 30 | + | + | 11 | 14 | 15.9 | 16.1 | 34.9 | 35.4 |
| 12 | 17 | 34°47.5' | 76°21.0' | 1224 | 20 | 84 | * | 4 | 9 | 16.4 | 16.3 | 34.5 | 35.4 |
| 13 | 17 | 34°39.5' | 76°26.5' | 1349 | 33 | 117 | * | 7 | 8 | 16.7 | 15.9 | 34.2 | 35.0 |
| 14 | 17 | 34°34.8' | 76°34.4' | 1647 | 15 | + | + | 10 | 17 | 15.2 | 14.3 | 34.5 | 34.5 |
| 15 | 17 | 34°36.3' | 76°34.7' | 1744 | 22 | + | * | 10 | 17 | 15.2 | 14.3 | 34.5 | 34.5 |
| 16 | 17 | 34°35.3' | 76°34.5' | 1850 | 24 | 287 | * | 12 | 17 | 15.2 | 14.3 | 34.5 | 34.5 |
| 17 | 17 | 34°34.5' | 76°35.1' | 2006 | 15 | 133 | * | 7 | 17 | 15.2 | 14.3 | 34.5 | 34.5 |
| 18 | 17 | 34°33.6' | 76°35.7' | 2136 | 23 | 215 | * | 9 | 17 | 15.2 | 14.3 | 34.2 | 34.8 |
| 19 | 17 | 34°34.0' | 76°35.7' | 2320 | 22 | 183 | * | 9 | 18 | 16.0 | 14.4 | 34.2 | 34.8 |
| 20 | 18 | 34°33.9' | 76°34.5' | 0107 | 20 | 1,570 | + | 10 | 18 | 16.0 | 14.4 | 34.2 | 34.8 |
| 21 | 18 | 34°34.0' | 76°34.5' | 0842 | 22 | 512 | * | 9 | 18 | 16.0 | 14.4 | 34.2 | 34.8 |
| 22 | 18 | 34°33.5' | 76°34.5' | 0958 | 23 | 145 | * | 6 | 18 | 16.1 | 14.4 | 34.3 | 34.8 |
| 23 | 18 | 34°39.3' | 76°39.7' | 1140 | 20 | 68 | + | 9 | 13 | 16.7 | 14.7 | 33.7 | 34.3 |
| 24 | 18 | 34°40.0' | 76°51.5' | 1332 | 16 | 289 | * | 6 | 20 | 16.7 | 14.0 | 34.1 | 34.2 |
| 25 | 18 | 34°33.6' | 76°53.1' | 1501 | 21 | 27 | * | 8 | 22 | 18.8 | 18.7 | 36.2 | 36.2 |
| 26 | 20 | 34°33.3' | 76°36.0' | 0745 | 20 | 86 | * | 6 | 20 | 16.1 | 17.0 | 33.9 | 35.0 |
| 27 | 20 | 34°36.8' | 76°33.8' | 0854 | 26 | + | * | 8 | 20 | 16.1 | 17.0 | 33.9 | 35.0 |
| 28 | 20 | 34°36.7' | 76°33.9' | 1005 | 24 | 163 | * | 7 | 18 | 17.0 | 13.1 | 33.3 | 34.1 |
| 29 | 20 | 34°36.5' | 76°33.8' | 1109 | 19 | + | + | 8 | 18 | 17.0 | 13.1 | 33.3 | 34.1 |
| 30 | 20 | 34°36.5' | 76°33.8' | 1203 | 19 | + | * | 11 | 18 | 17.0 | 13.1 | 33.3 | 34.1 |
| 31 | 20 | 34°36.1' | 76°34.4' | 1305 | 17 | 240 | + | 9 | 18 | 17.0 | 13.1 | 33.3 | 34.1 |
| 32 | 20 | 34°35.9' | 76°33.5' | 2354 | 24 | + | + | 12 | 15 | 14.9 | 15.8 | 33.8 | 34.4 |
| 33 | 21 | 34°35.9' | 76°34.0' | 0105 | 20 | + | + | 9 | 15 | 14.9 | 15.8 | 33.8 | 34.4 |
| 34 | 21 | 34°36.1' | 76°33.8' | 0218 | 25 | + | + | 10 | 15 | 14.9 | 15.8 | 33.8 | 34.4 |
| 35 | 21 | 34°36.0' | 76°33.6' | 1155 | 21 | + | + | 11 | 15 | 14.9 | 15.8 | 33.8 | 34.4 |
| 36 | 21 | 34°36.1' | 76°34.3' | 1304 | 19 | + | + | 9 | 14 | 15.8 | 17.7 | 33.3 | 34.5 |
| 37 | 21 | 34°36.0' | 76°34.1' | 1358 | 24 | + | + | 11 | 14 | 15.8 | 17.7 | 33.3 | 34.5 |
| 38 | 21 | 34°36.1' | 76°34.2' | 1506 | 30 | + | + | 11 | 14 | 15.8 | 17.7 | 33.3 | 34.5 |
| 39 | 21 | 34°36.0' | 76°34.2' | 1610 | 17 | + | + | 11 | 14 | 15.8 | 17.7 | 33.3 | 34.5 |
| 40 | 21 | 34°36.0' | 76°34.2' | 1658 | 27 | + | + | 9 | 14 | 15.8 | 17.7 | 33.3 | 34.5 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 22 | 34°36.2' | 76°34.3' | 0345 | 24 | + | * | 12 | 17 | 16.1 | 16.1 | 33.4 | 35.0 |
| 42 | 22 | 34°34.2' | 76°33.6' | 0437 | 25 | 146 | * | 9 | 17 | 16.1 | 16.1 | 33.4 | 35.0 |
| 43 | 22 | 34°32.8' | 76°34.8' | 0527 | 25 | + | + | 8 | 17 | 16.1 | 16.1 | 33.4 | 35.0 |
| 44 | 22 | 34°31.2' | 76°34.0' | 0626 | 36 | + | + | 7 | 18 | 16.3 | 16.9 | 34.4 | 35.6 |
| 45 | 22 | 34°32.6' | 76°34.0' | 0730 | 32 | + | + | 8 | 18 | 16.3 | 16.9 | 34.4 | 35.6 |
| 46 | 22 | 34°39.3' | 76°26.4' | 2020 | 19 | 382 | * | 14 | 15 | 16.9 | 17.1 | 35.1 | 35.4 |
| 47 | 22 | 34°43.6' | 76°22.6' | 2138 | 23 | 374 | * | 12 | 15 | 16.8 | 17.6 | 34.9 | 34.0 |
| 48 | 22 | 34°44.2' | 76°22.0' | 2310 | 24 | + | * | 14 | 18 | 17.0 | 17.5 | 34.8 | 35.9 |
| 49 | 23 | 34°47.5' | 76°19.2' | 0004 | 35 | Gear fouled | | | * | * | * | * | * |
| 50 | 23 | 34°51.0' | 76°17.0' | 0050 | 25 | 469 | * | 13 | 17 | 17.0 | 17.4 | 35.0 | 36.1 |
| 51 | 23 | 34°51.1' | 76°15.7' | 0200 | 27 | 203 | * | 14 | 17 | 17.0 | 17.4 | 35.0 | 36.1 |
| 52 | 23 | 34°52.6' | 76°13.7' | 0303 | 29 | 174 | * | 11 | 17 | 17.0 | 17.4 | 35.0 | 36.1 |
| 53 | 23 | 34°57.1' | 76°06.9' | 0417 | 26 | 198 | * | 11 | 19 | 17.4 | 17.4 | 35.2 | 35.8 |
| 54 | 23 | 34°59.0' | 76°03.2' | 0521 | 29 | 719 | + | 12 | 15 | 17.3 | 17.7 | 35.0 | 35.7 |
| 55 | 23 | 35°00.7' | 76°01.5' | 0626 | 22 | 248 | * | 9 | 15 | 17.3 | 17.7 | 35.0 | 35.7 |
| 56 | 23 | 35°01.8' | 75°59.0' | 0723 | 25 | 161 | + | 7 | 15 | 17.3 | 17.7 | 35.0 | 35.7 |
| 57 | 23 | 35°01.0' | 75°57.5' | 0929 | 26 | 581 | + | 13 | 22 | 17.5 | 17.7 | 35.3 | 35.9 |
| 58 | 23 | 35°56.0' | 75°36.0' | 1103 | 26 | 246 | + | 4 | 37 | 18.5 | 18.9 | 35.4 | 36.0 |
| 59 | 23 | 34°54.5' | 75°32.5' | 1257 | 20 | 69 | + | 3 | * | * | * | * | * |
| 60 | 23 | 34°53.5' | 75°28.5' | 1405 | 21 | 30 | * | 4 | * | * | * | * | * |
| 61 | 23 | 34°54.0' | 75°25.0' | 1511 | 20 | 10 | * | 1 | * | * | * | * | * |
| 62 | 23 | 35°45.0' | 75°18.5' | 2026 | 26 | 48 | * | 10 | 25 | 11.5 | 9.2 | 31.4 | 33.4 |
| 63 | 23 | 35°48.0' | 75°30.0' | 2227 | 20 | 99 | * | 12 | 19 | 11.4 | 10.0 | 31.0 | 32.5 |
| 64 | 24 | 36°21.5' | 75°42.0' | 0215 | 25 | 34 | * | 10 | 23 | 10.7 | 9.9 | 31.7 | 32.7 |
| 65 | 24 | 37°07.5' | 75°40.5' | 0651 | 24 | 67 | * | 9 | 16 | 10.1 | 9.3 | 31.7 | 32.3 |
| 66 | 24 | 37°17.0' | 75°34.5' | 0843 | 25 | 138 | + | 6 | 20 | 10.2 | 8.5 | 32.2 | 32.5 |
| 67 | 24 | 37°52.0' | 75°10.5' | 1317 | 25 | 39 | * | 4 | 28 | 9.8 | 8.1 | 32.4 | 33.1 |
| 68 | 24 | 38°22.5' | 74°48.0' | 1702 | 20 | 38 | * | 9 | 27 | 7.9 | 7.3 | 33.2 | 33.5 |
| 69 | 24 | 38°49.0' | 74°50.0' | 2013 | 19 | 111 | * | 6 | 15 | 8.7 | 8.2 | 32.1 | 32.5 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D-69-15 | June | | | | | | | | | | | | |
| 1 | 25 | 40°21.5' | 73°47.0' | 1017 | | Zooplankton station | | | 52 | 19.2 | 9.0 | * | * |
| 2 | 25 | 40°11.0' | 73°42.0' | 1131 | | Zooplankton station | | | 48 | 19.4 | 7.0 | * | * |
| 3 | 25 | 40°05.0' | 73°31.5' | 1305 | | Zooplankton station | | | 65 | 19.4 | 4.7 | * | * |
| 4 | 25 | 39°58.5' | 73°22.0' | 1405 | | Zooplankton station | | | 65 | 19.6 | 5.0 | * | * |
| 5 | 25 | 39°52.0' | 73°11.0' | 1540 | | Zooplankton station | | | 51 | 19.7 | 5.0 | * | * |
| 6 | 25 | 39°46.5' | 73°00.5' | 1644 | | Zooplankton station | | | 65 | 19.5 | 5.0 | * | * |
| 7 | 26 | 38°20.0' | 74°32.0' | 0247 | 16 | 123 | + | 8 | 33 | 21.0 | 9.1 | * | * |
| 8 | 26 | 38°20.0' | 74°38.0' | 0345 | 15 | 128 | * | 7 | 37 | 21.0 | 9.5 | * | * |
| 9 | 26 | 38°20.0' | 74°44.0' | 0448 | 16 | + | + | 6 | 27 | 21.1 | 10.8 | * | * |
| 10 | 26 | 38°20.0' | 74°51.0' | 0550 | 16 | + | + | 8 | 15 | 20.2 | 15.4 | * | * |
| 11 | 26 | 38°20.0' | 74°57.5' | 0652 | 14 | + | + | 14 | 21 | 19.3 | 16.0 | * | * |
| 12 | 26 | 38°20.0' | 75°00.0' | 0821 | 15 | + | + | 12 | 17 | 19.0 | 17.7 | * | * |
| 13 | 26 | 38°19.5' | 75°04.0' | 0955 | 15 | + | + | 16 | 16 | 19.5 | 17.5 | * | * |
| 14 | 26 | 38°31.0' | 74°55.0' | 1225 | 15 | 5,895 | + | 13 | 26 | 19.2 | 17.1 | * | * |
| 15 | 26 | 38°30.0' | 74°50.0' | 1410 | 19 | + | + | 9 | 23 | 22.1 | 14.6 | * | * |
| 16 | 26 | 38°30.0' | 74°43.0' | 1520 | 19 | 49 | + | 7 | 29 | 21.4 | 11.0 | * | * |
| 17 | 26 | 38°30.0' | 74°38.0' | 1735 | 15 | 15 | * | 4 | 23 | 20.7 | 11.0 | * | * |
| 18 | 26 | 38°29.5' | 74°30.0' | 1848 | 16 | 72 | * | 9 | 34 | 21.6 | 9.5 | * | * |
| 19 | 26 | 38°39.5' | 74°30.0' | 2020 | 15 | + | + | 8 | 34 | 21.7 | 10.0 | * | * |
| 20 | 26 | 38°39.5' | 74°36.5' | 2151 | 19 | 131 | * | 10 | 30 | 21.5 | 12.0 | * | * |
| 21 | 26 | 38°39.5' | 74°42.5' | 2308 | 20 | 133 | * | 10 | 23 | 19.9 | 14.0 | * | * |
| 22 | 27 | 38°39.5' | 74°49.0' | 0034 | 15 | 590 | * | 12 | 18 | 20.4 | 17.0 | * | * |
| 23 | 27 | 38°39.5' | 74°55.5' | 0154 | 15 | 738 | + | 12 | 20 | 19.5 | 17.2 | * | * |
| 24 | 27 | 38°39.5' | 74°59.5' | 0318 | 17 | 771 | + | 9 | 15 | 20.3 | 18.4 | * | * |
| 25 | 27 | 38°39.5' | 75°02.0' | 0434 | 16 | 366 | + | 11 | 13 | 20.3 | 19.0 | * | * |
| 26 | 27 | 38°47.0' | 74°55.0' | 0602 | 13 | + | + | 11 | 14 | 19.0 | 19.0 | * | * |
| 27 | 27 | 38°47.0' | 74°52.0' | 0700 | 14 | + | + | 7 | 15 | 19.0 | 18.5 | * | * |
| 28 | 27 | 38°47.0' | 74°48.5' | 0800 | 15 | + | + | 4 | 16 | 19.2 | 17.8 | * | * |
| 29 | 27 | 38°47.0' | 74°42.0' | 0942 | 10 | + | + | 11 | 22 | 20.2 | 15.5 | * | * |
| 30 | 27 | 38°47.0' | 74°35.5' | 1040 | 15 | + | + | 12 | 25 | 20.7 | 13.3 | * | * |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 27 | 38°47.0' | 74°29.0' | 1204 | 15 | 65 | + | 6 | 24 | 21.5 | 12.2 | * | * |
| 32 | 27 | 38°47.0' | 74°23.0' | 1327 | 20 | 80 | * | 12 | 34 | 21.8 | 10.8 | * | * |
| 33 | 27 | 38°57.0' | 74°17.5' | 1500 | 22 | 73 | * | 8 | 33 | 24.1 | 9.8 | * | * |
| 34 | 27 | 38°57.0' | 74°23.5' | 1619 | 15 | 53 | * | 6 | 24 | 20.7 | 11.3 | * | * |
| 35 | 27 | 38°57.0' | 74°30.0' | 1730 | 15 | + | + | 10 | 24 | 20.6 | 14.8 | * | * |
| 36 | 27 | 38°56.0' | 74°49.0' | 1935 | 13 | 111 | * | 12 | 12 | 19.1 | 18.8 | * | * |
| 37 | 27 | 38°56.5' | 74°47.0' | 2038 | 20 | 740 | + | 9 | 12 | 19.0 | 18.8 | * | * |
| 38 | 27 | 38°56.5' | 74°43.0' | 2327 | 12 | + | + | 10 | 12 | 18.8 | 18.8 | * | * |
| 39 | 28 | 38°56.5' | 74°37.0' | 0050 | 16 | + | + | 7 | 12 | 19.5 | 19.5 | * | * |
| 40 | 28 | 38°56.5' | 74°47.0' | 0210 | 15 | 179 | * | 8 | 12 | 19.0 | 18.8 | * | * |
| 41 | 28 | 38°56.5' | 74°47.0' | 0252 | 14 | + | + | 11 | 12 | 19.0 | 18.8 | * | * |
| 42 | 28 | 38°59.0' | 74°45.0' | 0641 | 16 | + | * | 8 | 12 | 19.0 | 18.8 | * | * |
| 43 | 28 | 39°05.5' | 74°41.0' | 0745 | 12 | + | + | 11 | 14 | 19.8 | 19.0 | * | * |
| 44 | 28 | 39°06.5' | 74°38.0' | 0904 | 15 | + | + | 10 | 14 | 19.8 | 18.5 | * | * |
| 45 | 28 | 39°05.5' | 74°35.0' | 1012 | 14 | + | * | 4 | 12 | 19.6 | 18.0 | * | * |
| 46 | 28 | 39°05.5' | 74°40.5' | 1117 | 17 | + | * | 12 | 14 | * | * | * | * |
| 47 | 28 | 39°08.5' | 74°40.0' | 1234 | 16 | + | * | 7 | 14 | * | * | * | * |
| 48 | 28 | 39°06.5' | 74°40.0' | 1317 | 16 | + | * | 10 | 14 | * | * | * | * |
| 49 | 28 | 39°06.5' | 74°28.0' | 1450 | 17 | + | + | 10 | 19 | 20.7 | 15.3 | * | * |
| 50 | 28 | 39°06.5' | 74°21.5' | 1555 | 15 | 74 | + | 8 | 22 | 20.7 | 10.5 | * | * |
| 51 | 28 | 39°06.5' | 74°15.0' | 1702 | 17 | 21 | * | 5 | 25 | 21.1 | 10.0 | * | * |
| 52 | 28 | 39°06.5' | 74°09.0' | 1805 | 19 | 27 | * | 6 | 31 | 21.1 | 9.3 | * | * |
| 53 | 28 | 39°16.5' | 73°58.0' | 1945 | 18 | 28 | * | 4 | 29 | 21.5 | 9.0 | * | * |
| 54 | 28 | 39°16.5' | 74°05.5' | 2117 | 20 | 88 | * | 8 | 29 | 21.2 | 14.2 | * | * |
| 55 | 28 | 39°16.2' | 74°12.5' | 2252 | 16 | + | * | 8 | 25 | 20.7 | 9.4 | * | * |
| 56 | 29 | 39°16.0' | 74°19.0' | 0020 | 15 | + | * | 9 | 15 | 20.5 | 12.0 | * | * |
| 57 | 29 | 39°16.0' | 74°25.5' | 0144 | 16 | + | * | 8 | 14 | 20.3 | 16.1 | * | * |
| 58 | 29 | 39°16.0' | 74°29.0' | 0247 | 13 | + | * | 9 | 13 | 20.8 | 18.0 | * | * |
| 59 | 29 | 39°16.0' | 74°32.0' | 0341 | 15 | 49 | * | 10 | 13 | 21.0 | 17.9 | * | * |
| 60 | 29 | 39°16.5' | 74°31.0' | 0419 | 19 | + | * | 11 | 13 | 21.0 | 17.9 | * | * |
| 61 | 29 | 39°30.0' | 74°15.0' | 0715 | 16 | + | * | 12 | 6 | 20.0 | 18.0 | * | * |
| 62 | 29 | 39°30.5' | 74°12.5' | 0828 | 14 | + | * | 13 | 17 | 20.4 | 16.1 | * | * |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63 | 29 | 39°30.0' | 74°08.5' | 0939 | 16 | 71 | * | 9 | 18 | 21.2 | 12.5 | * | * |
| 64 | 29 | 39°30.3' | 74°02.0' | 1042 | 16 | 351 | * | 5 | 23 | 21.2 | 9.2 | * | * |
| 65 | 29 | 39°30.3' | 73°55.5' | 1142 | 15 | 9 | * | 5 | 23 | 22.0 | 9.2 | * | * |
| 66 | 29 | 39°30.3' | 73°49.0' | 1242 | 19 | 22 | * | 10 | 24 | 22.4 | 10.0 | * | * |
| 67 | 29 | 39°30.3' | 73°42.0' | 1338 | 18 | 46 | * | 8 | 28 | 22.8 | 7.4 | * | * |
| 68 | 29 | 39°46.0' | 74°03.5' | 1722 | 13 | + | + | 11 | 13 | 21.8 | 16.2 | * | * |
| 69 | 29 | 39°46.0' | 74°03.5' | 1839 | 15 | + | + | 8 | 13 | 22.6 | 16.5 | * | * |
| 70 | 29 | 39°56.3' | 74°03.0' | 2140 | 15 | + | + | 12 | 20 | 21.2 | 11.3 | * | * |
| D-69-21 | Aug. | | | | | | | | | | | | |
| 1 | 20 | 38°20.0' | 74°57.5' | 0506 | 15 | + | * | 8 | 23 | 23.2 | 14.4 | 27.1 | 29.0 |
| 2 | 20 | 38°19.0' | 75°04.0' | 0704 | 17 | 1,051 | + | 11 | 11 | 23.1 | 17.5 | 27.0 | 28.2 |
| 3 | 20 | 38°20.0' | 75°00.0' | 0919 | 17 | 701 | * | 13 | 12 | 22.4 | 17.3 | 26.2 | 28.9 |
| 4 | 20 | 38°20.0' | 74°51.5' | 1136 | 19 | + | * | 7 | 19 | 22.9 | 12.3 | 27.8 | 28.7 |
| 5 | 20 | 38°20.0' | 74°44.0' | 1330 | 18 | 24 | * | 2 | 28 | 23.8 | 9.5 | 28.4 | 28.0 |
| D-69-23 | Sept. | | | | | | | | | | | | |
| 1 | 12 | 33°56.5' | 77°43.0' | 0432 | 15 | + | * | 20 | 19 | 25.7 | 25.7 | 35.2 | 34.6 |
| 2 | 12 | 33°59.5' | 77°48.0' | 0854 | 15 | 22 | * | 4 | 15 | 25.5 | 25.5 | 32.5 | 32.5 |
| 3 | 12 | 34°01.0' | 77°51.0' | 0958 | 16 | 100 | * | 13 | 13 | 25.3 | 25.3 | 34.2 | 34.0 |
| 4 | 12 | 34°02.0' | 77°52.5' | 1109 | 19 | + | * | 22 | 11 | 25.1 | 25.1 | 34.4 | 34.4 |
| 5 | 13 | 34°39.5' | 77°00.0' | 0931 | 17 | 100 | * | 10 | 14 | 25.2 | 25.2 | 32.3 | 32.2 |
| 6 | 13 | 34°37.5' | 76°59.5' | 1029 | 17 | 10 | * | 4 | 14 | 25.1 | 25.1 | 32.1 | 32.3 |
| 7 | 13 | 34°34.5' | 76°58.5' | 1120 | 17 | 9 | * | 5 | 16 | 24.9 | 24.9 | 32.6 | 32.7 |
| 8 | 13 | 34°29.5' | 76°57.0' | 1227 | 16 | 126 | * | 14 | 19 | 25.1 | 25.1 | 32.2 | 32.5 |
| 9 | 13 | 34°39.6' | 76°40.0' | 1501 | 14 | + | + | 25 | 11 | 24.6 | 24.8 | 31.2 | 31.8 |
| 10 | 13 | 34°38.0' | 76°35.0' | 1850 | 10 | + | * | 25 | 14 | 24.8 | 25.2 | 32.2 | 32.0 |
| 11 | 13 | 34°35.0' | 76°34.5' | 2058 | 11 | 465 | + | 21 | 17 | 24.1 | 24.8 | 31.8 | 32.3 |
| 12 | 13 | 34°30.5' | 76°32.5' | 2324 | 10 | + | + | 15 | 17 | 24.4 | 24.4 | 32.2 | 32.2 |
| 13 | 14 | 34°55.5' | 75°51.0' | 2248 | 15 | + | * | 6 | 24 | 25.0 | 25.3 | 31.5 | 31.8 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 15 | 34°59.0' | 75°55.5' | 0014 | 15 | + | * | 11 | 19 | 24.7 | 24.7 | 31.4 | 31.2 |
| 15 | 15 | 35°01.5' | 75°58.0' | 0120 | 15 | 144 | * | 13 | 18 | 23.6 | 24.0 | 30.2 | 30.8 |
| 16 | 15 | 35°02.5' | 76°00.0' | 0230 | 16 | + | + | 23 | 13 | 23.7 | 23.7 | 29.8 | 29.9 |
| 17 | 15 | 35°35.0' | 75°15.0' | 1013 | 17 | + | * | 7 | 28 | 23.5 | 19.4 | 28.8 | 29.3 |
| 18 | 15 | 35°35.0' | 75°21.0' | 1142 | 15 | + | * | 20 | 24 | 23.7 | 23.2 | 29.1 | 29.0 |
| 19 | 15 | 35°35.0' | 75°25.0' | 1434 | 41 | + | * | 8 | 14 | 24.3 | 23.4 | 28.6 | 29.0 |
| 20 | 15 | 35°35.0' | 75°27.0' | 1513 | 14 | 81 | * | 10 | 10 | 23.2 | 23.2 | 27.1 | 27.8 |
| 21 | 15 | 36°12.5' | 75°33.0' | 1924 | 19 | + | * | 9 | 25 | 24.0 | 19.0 | 29.5 | 29.9 |
| 22 | 15 | 36°12.5' | 75°39.0' | 2100 | 10 | + | * | 15 | 22 | 23.7 | 22.8 | 29.7 | 29.6 |
| 23 | 15 | 36°12.5' | 75°43.0' | 2358 | 10 | + | * | 12 | 19 | 23.0 | 23.0 | 28.1 | 29.4 |
| 24 | 16 | 36°12.5' | 75°45.0' | 0100 | 5 | 69 | * | 10 | 12 | 23.4 | 23.0 | 26.9 | 28.2 |
| 25 | 16 | 37°09.5' | 75°37.5' | 0649 | 10 | + | * | 19 | 12 | 22.1 | 21.8 | 29.4 | 29.3 |
| 26 | 16 | 37°09.5' | 75°43.5' | 1154 | 14 | + | * | 5 | 12 | 22.3 | 21.2 | 29.6 | 29.3 |
| 27 | 16 | 37°09.5' | 75°46.5' | 1300 | 15 | 240 | * | 11 | 8 | 22.6 | 22.2 | 29.3 | 29.6 |
| 28 | 16 | 37°46.5' | 75°25.0' | 1721 | 10 | 239 | * | 14 | 13 | 23.3 | 21.4 | 28.9 | 29.1 |
| 29 | 16 | 37°46.5' | 75°19.0' | 1901 | 15 | + | * | 15 | 18 | 23.1 | 19.1 | 29.2 | 29.3 |
| 30 | 17 | 38°20.0' | 74°52.5' | 0002 | 10 | + | * | 6 | 20 | 22.4 | 16.5 | 28.3 | 28.9 |
| 31 | 17 | 38°20.0' | 74°58.5' | 0115 | 10 | + | * | 11 | 22 | 22.5 | 19.1 | 28.3 | 29.1 |
| 32 | 17 | 38°20.0' | 75°02.5' | 0218 | 16 | 494 | + | 16 | 14 | 21.8 | 21.0 | 28.3 | 28.6 |
| 33 | 17 | 38°57.5' | 74°37.5' | 0808 | 15 | + | * | 5 | 10 | 19.8 | 19.5 | 28.9 | 29.0 |
| 34 | 17 | 38°57.5' | 74°44.0' | 0931 | 15 | + | * | 6 | 12 | 21.0 | 18.0 | 29.4 | 29.6 |
| 35 | 17 | 38°56.0' | 74°50.0' | 1045 | 10 | + | * | 9 | 12 | 21.7 | 19.4 | 29.3 | 29.4 |
| 36 | 17 | 39°13.5' | 74°37.0' | 1335 | 14 | + | * | 8 | 10 | 21.6 | 20.6 | 29.1 | 29.1 |
| 37 | 17 | 39°14.0' | 74°34.0' | 1449 | 22 | 184 | * | 3 | 11 | 21.6 | 20.6 | 29.1 | 29.1 |
| 38 | 17 | 39°13.5' | 74°31.0' | 1556 | 15 | + | + | 7 | 18 | 21.6 | 15.7 | 29.1 | 29.2 |
| 39 | 17 | 39°13.5' | 74°25.0' | 1708 | 16 | + | * | 5 | 17 | 22.6 | 14.5 | 29.2 | 29.6 |
| 40 | 17 | 39°27.5' | 74°05.5' | 1939 | 15 | + | * | 2 | 20 | 21.5 | 14.7 | 29.0 | 29.4 |
| 41 | 17 | 39°27.0' | 74°11.5' | 2136 | 15 | + | * | 4 | 16 | 21.1 | 15.7 | 29.0 | 29.2 |
| 42 | 18 | 39°45.0' | 73°53.0' | 0008 | 21 | 59 | + | 6 | 26 | 22.8 | 14.0 | 29.2 | 29.6 |
| 43 | 18 | 39°45.0' | 73°59.5' | 0130 | 15 | 63 | * | 7 | 23 | 22.4 | 14.0 | 29.0 | 29.5 |
| 44 | 18 | 39°45.0' | 74°03.5' | 0238 | 12 | + | * | 7 | 13 | 20.6 | 15.3 | 29.0 | 29.5 |
| 45 | 18 | 39°45.0' | 74°05.0' | 0343 | 11 | + | * | 10 | 9 | * | * | * | * |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D-69-25 | Sept. | | | | | | | | | | | | |
| 1 | 30 | 40°05.0' | 74°01.5' | 1148 | 15 | + | * | 10 | 15 | 18.5 | 18.5 | 27.9 | 28.0 |
| 2 | 30 | 40°05.5' | 73°59.0' | 1248 | 15 | + | * | 13 | 21 | 18.5 | 18.5 | 28.2 | 29.3 |
| 3 | 30 | 40°05.0' | 73°55.0' | 1402 | 15 | 8 | * | 5 | 20 | 18.9 | 18.8 | 28.7 | 29.4 |
| 4 | 30 | 40°05.0' | 73°49.0' | 1502 | 15 | 14 | * | 5 | 28 | 18.9 | 16.5 | 29.0 | 29.6 |
| | Oct. | | | | | | | | | | | | |
| 5 | 1 | 40°40.5' | 72°26.0' | 0114 | 22 | + | * | 12 | 37 | 17.2 | 14.3 | 29.7 | 29.9 |
| 6 | 1 | 40°45.0' | 72°29.0' | 0323 | 14 | + | * | 10 | 31 | 17.5 | 16.9 | 29.5 | 29.9 |
| 7 | 1 | 40°47.5' | 72°31.0' | 0436 | 19 | + | * | 12 | 22 | 17.4 | 17.0 | 29.4 | 29.6 |
| 8 | 1 | 40°48.5' | 72°32.5' | 0610 | 15 | + | * | 18 | 14 | 17.3 | 17.3 | 29.2 | 29.6 |
| 9 | 1 | 40°36.5' | 73°22.5' | 1100 | 15 | + | * | 14 | 14 | 17.9 | 17.8 | 29.2 | 29.3 |
| 10 | 1 | 40°35.0' | 73°21.0' | 1237 | 15 | 103 | * | 16 | 16 | 18.3 | 17.9 | 29.1 | 29.2 |
| 11 | 1 | 40°32.5' | 73°19.5' | 1350 | 15 | 161 | * | 11 | 23 | 18.3 | 18.2 | 29.1 | 29.6 |
| 12 | 1 | 40°34.0' | 73°20.5' | 1449 | 30 | + | * | 16 | 16 | 18.3 | 17.9 | 29.1 | 29.2 |
| 13 | 1 | 40°33.5' | 73°36.0' | 1705 | 15 | + | * | 15 | 11 | 18.5 | 18.3 | 29.3 | 29.0 |
| D-69-29 | Oct. | | | | | | | | | | | | |
| 1 | 30 | 32°40.0' | 79°29.5' | 0818 | 16 | 58 | * | 10 | 16 | 19.6 | 19.5 | 32.6 | 32.8 |
| 2 | 30 | 32°45.0' | 79°32.5' | 1011 | 12 | 26 | * | 8 | 15 | 19.4 | 19.4 | 32.7 | 32.5 |
| | Nov. | | | | | | | | | | | | |
| 3 | 2 | 32°59.5' | 79°16.0' | 1356 | 15 | 152 | + | 7 | 13 | 19.5 | 18.9 | 32.2 | 32.7 |
| 4 | 2 | 32°56.0' | 79°11.5' | 1410 | 15 | 31 | * | 9 | 18 | 19.9 | 19.3 | 32.6 | 32.4 |
| 5 | 2 | 33°19.5' | 79°07.0' | 1703 | 15 | 178 | + | 7 | 9 | 18.4 | 18.4 | 30.5 | 31.6 |
| 6 | 2 | 33°18.0' | 79°04.0' | 1812 | 15 | 69 | + | 16 | 13 | 19.3 | 19.3 | 32.0 | 32.0 |
| 7 | 2 | 33°15.5' | 78°58.5' | 1939 | 15 | 134 | + | 26 | 13 | 19.6 | 19.2 | 32.1 | 32.0 |
| 8 | 2 | 33°31.0' | 78°48.0' | 2210 | 15 | 72 | + | 14 | 13 | 19.1 | 19.0 | 31.6 | 31.8 |
| 9 | 2 | 33°34.0' | 78°52.5' | 2327 | 16 | 103 | + | 20 | 11 | 18.5 | 18.5 | 32.1 | 32.5 |
| 10 | 3 | 33°36.0' | 78°55.0' | 0049 | 12 | 147 | + | 22 | 9 | 18.4 | 18.0 | 31.4 | 31.9 |
| 11 | 3 | 33°37.0' | 78°56.5' | 0229 | 15 | 146 | + | 25 | 7 | 18.1 | 17.9 | 31.3 | 31.7 |
| 12 | 3 | 33°40.5' | 78°33.0' | 0511 | 15 | 113 | + | 18 | 15 | 18.8 | 18.5 | 31.4 | 31.6 |
| 13 | 3 | 33°44.5' | 78°35.5' | 0707 | 15 | 70 | + | 17 | 12 | 18.2 | 18.2 | 31.5 | 31.8 |
| 14 | 3 | 33°47.5' | 78°37.5' | 0815 | 15 | 61 | + | 9 | 9 | 18.2 | 18.0 | 30.5 | 31.8 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 3 | 33°49.0' | 78°38.0' | 0940 | 15 | 50 | + | 13 | 9 | 18.4 | 18.0 | 30.0 | 31.7 |
| 16 | 3 | 34°02.5' | 77°53.0' | 1645 | 15 | 172 | + | 29 | 12 | 18.9 | 18.5 | 30.1 | 30.6 |
| 17 | 3 | 34°01.5' | 77°51.0' | 1846 | 15 | 106 | + | 26 | 14 | 18.9 | 18.4 | 30.6 | 30.8 |
| 18 | 3 | 33°59.5' | 77°48.0' | 2015 | 15 | 335 | + | 28 | 14 | 19.0 | 18.3 | 30.7 | 30.7 |
| 19 | 3 | 33°56.5' | 77°43.0' | 2205 | 15 | 330 | + | 26 | 17 | 19.4 | 19.2 | 30.9 | 31.1 |
| 20 | 4 | 34°40.0' | 76°40.0' | 0540 | 10 | 393 | + | 20 | 13 | 19.4 | 19.8 | 30.0 | 30.9 |
| 21 | 4 | 34°37.0' | 76°34.0' | 0750 | 10 | 3,072 | + | 17 | 13 | 19.0 | 20.0 | 29.0 | 30.9 |
| 22 | 4 | 34°35.0' | 76°34.5' | 1018 | 10 | 332 | + | 22 | 16 | 19.1 | 20.3 | 30.0 | 31.6 |
| 23 | 4 | 34°30.5' | 76°32.5' | 1231 | 15 | 516 | + | 23 | 17 | 19.1 | 20.2 | 29.8 | 31.4 |
| 24 | 4 | 35°01.5' | 76°00.0' | 1802 | 15 | 274 | + | 20 | 13 | 17.3 | 17.6 | 27.2 | 29.8 |
| 25 | 4 | 35°02.0' | 75°57.5' | 1936 | 10 | 224 | + | 19 | 14 | 17.8 | 17.9 | 28.9 | 29.7 |
| 26 | 4 | 34°59.5' | 75°55.0' | 2109 | 10 | 311 | + | 19 | 24 | 17.7 | 18.9 | 28.9 | 30.5 |
| 27 | 4 | 34°55.5' | 75°51.0' | 2243 | 10 | 490 | + | 19 | 22 | 18.2 | 21.2 | 30.0 | 32.0 |
| D-70-7 | May | | | | | | | | | | | | |
| 1 | 6 | 39°28.0' | 74°15.0' | 1557 | 16 | 148 | 41.1 | 13 | 10 | 7.5 | 6.5 | 29.0 | 29.5 |
| 2 | 6 | 39°27.8' | 74°13.5' | 1702 | 17 | 244 | 71.7 | 12 | 13 | 8.5 | 6.5 | 28.6 | 29.5 |
| 3 | 6 | 39°27.5' | 74°09.5' | 1821 | 16 | 84 | 27.8 | 12 | 16 | 10.2 | 6.5 | 28.1 | 30.2 |
| 4 | 6 | 39°27.5' | 74°03.0' | 1940 | 16 | 34 | 20.2 | 9 | 20 | 10.3 | 6.0 | 27.9 | 30.3 |
| D-70-16 | July | | | | | | | | | | | | |
| 1 | 6 | 40°36.3' | 73°23.4' | 1445 | 15 | 323 | 23.9 | 10 | 9 | 19.6 | 13.0 | 27.5 | 27.8 |
| 2 | 6 | 40°35.2' | 73°21.0' | 1616 | 20 | 843 | 43.3 | 12 | 14 | 18.3 | 11.4 | 27.3 | 28.0 |
| 3 | 6 | 40°32.5' | 73°19.0' | 1800 | 16 | 189 | 35.4 | 11 | 20 | 21.4 | 10.1 | 27.1 | 28.7 |
| 4 | 6 | 40°28.0' | 73°16.0' | 1925 | 16 | 180 | 37.5 | 10 | 27 | 21.3 | 8.2 | 27.0 | 28.5 |
| 5 | 7 | 38°19.0' | 75°04.0' | 0933 | 15 | 372 | 99.8 | 11 | 11 | 19.5 | 14.5 | 28.1 | 29.0 |
| 6 | 7 | 38°20.5' | 75°02.0' | 1055 | 16 | 511 | 67.5 | 15 | 11 | 20.5 | 14.4 | 28.5 | 29.1 |
| 7 | 7 | 38°20.0' | 74°58.5' | 1300 | 15 | 1,349 | 135.6 | 11 | 13 | 21.6 | 13.5 | 28.6 | 28.9 |
| 8 | 7 | 38°20.0' | 74°52.0' | 1540 | 15 | 35 | 3.9 | 5 | 12 | 22.1 | 12.3 | 28.0 | 28.6 |
| 9 | 7 | 38°36.0' | 75°02.2' | 1808 | 16 | 429 | 248.6 | 14 | 10 | 22.8 | 17.0 | 27.2 | 28.0 |
| 10 | 7 | 38°40.0' | 75°01.4' | 2034 | 10 | 242 | 53.2 | 10 | 12 | 21.0 | 16.3 | 27.7 | 28.0 |
| 11 | 7 | 38°40.2' | 74°57.0' | 2245 | 11 | 335 | 55.3 | 11 | 15 | 20.7 | 13.6 | 21.2 | 28.4 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 8 | 38°40.2' | 74°50.0' | 0028 | 15 | 334 | 99.2 | 11 | 14 | 20.0 | 11.0 | 27.4 | 29.3 |
| 13 | 8 | 38°57.5' | 74°37.8' | 0347 | 15 | 202 | 50.4 | 10 | 9 | 20.7 | 12.3 | 28.5 | 29.3 |
| 14 | 8 | 38°57.2' | 74°43.8' | 0554 | 11 | 1,094 | 210.8 | 9 | 8 | 19.7 | 13.2 | 28.5 | 28.9 |
| 15 | 8 | 38°55.5' | 74°50.8' | 0748 | 11 | 305 | 40.0 | 9 | 11 | 16.6 | 13.9 | 29.4 | 29.2 |
| 16 | 8 | 38°56.0' | 74°50.0' | 0937 | 10 | 1,429 | 73.3 | 12 | 12 | 16.4 | 13.2 | 28.6 | 29.2 |
| 17 | 8 | 39°16.5' | 74°30.5' | 1324 | 15 | 144 | 22.7 | 13 | 11 | 17.6 | 10.5 | 27.6 | 28.4 |
| 18 | 8 | 39°17.4' | 74°29.0' | 1453 | 14 | 144 | 23.0 | 11 | 11 | 18.0 | 10.1 | 27.5 | 28.6 |
| 19 | 8 | 39°17.0' | 74°23.5' | 1633 | 15 | 330 | 40.9 | 8 | 12 | 19.7 | 8.5 | 28.4 | 28.8 |
| 20 | 8 | 39°17.0' | 74°17.2' | 1807 | 15 | 60 | 5.6 | 5 | 16 | 20.4 | 8.2 | 28.7 | 29.2 |
| 21 | 8 | 39°30.0' | 74°15.5' | 1958 | 15 | 588 | 72.3 | 11 | 7 | 17.5 | 11.2 | 28.4 | 28.7 |
| 22 | 8 | 39°30.0' | 74°13.0' | 2130 | 15 | 99 | 17.3 | 11 | 16 | 19.4 | 8.2 | 28.5 | 29.3 |
| 23 | 8 | 39°30.0' | 74°09.2' | 2239 | 16 | 139 | 36.4 | 10 | 17 | 20.1 | 7.8 | 28.6 | 29.2 |
| 24 | 9 | 39°30.0' | 74°02.6' | 0013 | 15 | 157 | 29.2 | 12 | 21 | 19.3 | 7.8 | 29.1 | 30.0 |
| 25 | 9 | 39°45.2' | 73°52.7' | 0259 | 15 | 162 | 21.7 | 11 | 25 | 21.3 | 8.4 | 29.2 | 30.3 |
| 26 | 9 | 39°45.0' | 73°59.0' | 0440 | 15 | 187 | 34.4 | 9 | 20 | 19.4 | 7.6 | 29.0 | 29.8 |
| 27 | 9 | 39°45.0' | 74°03.0' | 0606 | 16 | 536 | 48.8 | 8 | 12 | 16.2 | 8.9 | 28.9 | 29.5 |
| 28 | 9 | 39°45.8' | 74°03.9' | 0737 | 17 | 452 | 66.8 | 9 | 11 | 14.2 | 9.5 | 28.2 | 29.2 |
| 29 | 9 | 39°57.0' | 74°03.4' | 0935 | 12 | 336 | 50.1 | 12 | 10 | 15.0 | 9.8 | 28.8 | 29.4 |
| 30 | 9 | 40°10.0' | 74°00.5' | 1200 | 15 | 116 | 26.2 | 7 | 19 | 20.3 | 8.7 | 22.2 | 29.8 |
| 31 | 9 | 40°05.0' | 73°59.0' | 1322 | 15 | 162 | 23.6 | 9 | 20 | 21.2 | 7.8 | 29.5 | 30.6 |
| 32 | 9 | 40°05.0' | 73°55.0' | 1440 | 25 | 119 | 9.6 | 9 | 22 | 21.7 | 7.3 | 29.7 | 30.4 |
| 33 | 9 | 40°05.0' | 73°49.0' | 1620 | 15 | 57 | 5.4 | 7 | 26 | 21.9 | 6.1 | 29.8 | 31.1 |
| 34 | 9 | 40°11.4' | 73°59.7' | 1803 | 15 | 982 | 159.1 | 13 | 10 | 17.2 | 9.8 | 29.6 | 31.4 |
| 35 | 9 | 40°11.4' | 73°59.7' | 1934 | 15 | 795 | 96.8 | 14 | 10 | 16.8 | 10.3 | 29.7 | 30.5 |
| 36 | 9 | 40°25.4' | 73°57.5' | 2235 | 11 | 371 | 33.2 | 13 | 6 | 18.7 | 14.7 | 30.5 | 30.6 |
| 37 | 10 | 40°25.0' | 73°54.9' | 0034 | 12 | 129 | 17.8 | 10 | 18 | 19.5 | 9.5 | 29.7 | 32.3 |
| 38 | 10 | 40°25.1' | 73°51.1' | 0209 | 3 | 51 | 10.6 | 8 | 22 | 19.7 | 7.2 | 29.7 | 31.4 |
| 39 | 10 | 40°33.9' | 73°35.2' | 0500 | 15 | 177 | 21.3 | 11 | 7 | 21.3 | 20.2 | 29.3 | 29.3 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D-70-19 | Aug. | | | | | | | | | | | | |
| 1 | 3 | 40°35.7' | 73°25.1' | 1310 | 15 | 244 | 14.0 | 11 | 9 | 23.2 | 16.9 | 29.4 | 29.7 |
| 2 | 3 | 40°35.5' | 73°21.8' | 1350 | 15 | 182 | 15.6 | 12 | 13 | 22.3 | 15.6 | 29.9 | 29.9 |
| 3 | 3 | 40°31.9' | 73°20.6' | 1640 | 15 | 40 | 12.2 | 7 | 19 | 22.8 | 14.2 | 30.0 | 30.3 |
| 4 | 3 | 40°28.0' | 73°15.5' | 1804 | 15 | 40 | 8.6 | 7 | 28 | 23.8 | 9.9 | 30.1 | 30.4 |
| 5 | 4 | 38°19.0' | 75°04.0' | 0813 | 10 | 117 | 20.4 | 8 | 9 | 19.7 | 15.6 | 29.4 | 30.3 |
| 6 | 4 | 38°20.0' | 75°02.5' | 0910 | 15 | 177 | 32.0 | 13 | 10 | 20.0 | 15.3 | 30.1 | 30.3 |
| 7 | 4 | 38°20.0' | 74°58.5' | 1044 | 15 | 739 | 74.8 | 4 | 21 | 19.9 | 12.4 | 30.1 | 30.9 |
| 8 | 4 | 38°20.0' | 74°52.0' | 1154 | 15 | 1,494 | 151.5 | 7 | 18 | 22.7 | 11.2 | 30.3 | 30.8 |
| 9 | 4 | 38°35.7' | 75°02.3' | 1455 | 15 | 1,952 | 141.8 | 14 | 10 | 12.5 | 15.3 | 29.4 | 29.8 |
| 10 | 4 | 38°39.9' | 75°01.5' | 1654 | 15 | 1,752 | 496.3 | 17 | 13 | 18.7 | 16.6 | 29.4 | 29.7 |
| 11 | 4 | 38°40.7' | 75°03.2' | 1921 | 5 | 201 | 31.2 | 10 | 6 | 17.7 | 17.5 | 29.8 | 29.8 |
| 12 | 4 | 38°40.0' | 74°57.0' | 2253 | 15 | 119 | 43.0 | 10 | 16 | 17.4 | 16.5 | 29.9 | 30.1 |
| 13 | 5 | 38°40.6' | 74°49.0' | 0019 | 15 | 629 | 109.6 | 10 | 15 | 21.1 | 11.5 | 30.2 | 30.9 |
| 14 | 5 | 38°57.5' | 74°37.8' | 0354 | 10 | 1,147 | 136.8 | 9 | 9 | 21.7 | 13.5 | 30.5 | 30.6 |
| 15 | 5 | 38°55.2' | 74°43.8' | 0653 | 10 | 57 | 5.8 | 8 | 9 | 21.2 | 13.6 | 30.5 | 30.4 |
| 16 | 5 | 38°55.5' | 74°50.8' | 0750 | 16 | 560 | 81.1 | 14 | 11 | 17.0 | 14.3 | 30.1 | 30.4 |
| 17 | 5 | 38°56.3' | 74°50.3' | 0943 | 16 | 219 | 16.4 | 11 | 9 | 20.0 | 12.8 | 30.4 | 30.3 |
| 18 | 5 | 38°55.6' | 74°51.1' | 1043 | 15 | 160 | 47.4 | 13 | 11 | 20.1 | 13.2 | 30.3 | 30.2 |
| 19 | 5 | 39°14.2' | 74°35.4' | 1330 | 15 | 143 | 40.6 | 8 | 7 | 18.5 | 15.4 | 29.5 | 29.8 |
| 20 | 5 | 39°13.7' | 74°33.0' | 1437 | 15 | 120 | 15.7 | 9 | 11 | 17.9 | 10.8 | 29.7 | 29.9 |
| 21 | 5 | 39°12.3' | 74°29.6' | 1558 | 15 | 25 | 2.3 | 4 | 15 | 20.4 | 9.8 | 30.0 | 30.0 |
| 22 | 5 | 39°10.2' | 74°24.1' | 1712 | 21 | 39 | 5.1 | 5 | 18 | 23.3 | 9.6 | 30.4 | 30.4 |
| 23 | 5 | 39°28.1' | 74°15.6' | 1934 | 17 | 1,070 | 164.8 | 15 | 7 | 20.8 | 18.1 | 28.8 | 29.6 |
| 24 | 5 | 39°30.0' | 74°13.0' | 2105 | 15 | 756 | 132.4 | 10 | 14 | 21.8 | 14.7 | 29.7 | 29.8 |
| 25 | 5 | 39°30.0' | 74°09.1' | 2240 | 15 | 67 | 15.0 | 9 | 17 | 21.9 | 9.7 | 29.5 | 30.1 |
| 26 | 5 | 39°30.0' | 74°04.0' | 2348 | 15 | 73 | 16.3 | 9 | 20 | 21.7 | 7.8 | 29.9 | 30.2 |
| 27 | 6 | 39°45.1' | 73°52.7' | 0235 | 15 | 65 | 14.3 | 8 | 25 | 22.7 | 7.4 | 30.2 | 30.6 |
| 28 | 6 | 39°45.0' | 73°59.0' | 0408 | 15 | 71 | 15.1 | 9 | 18 | 22.7 | 9.0 | 30.3 | 30.0 |
| 29 | 6 | 39°45.0' | 74°03.0' | 0530 | 18 | 743 | 116.4 | 12 | 12 | 21.8 | 8.3 | 28.8 | 29.6 |
| 30 | 6 | 39°46.0' | 74°04.2' | 0718 | 15 | 291 | 30.0 | 9 | 12 | 22.2 | 8.5 | 28.7 | 29.8 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 6 | 39°56.7' | 74°03.3' | 0935 | 15 | 439 | 64.1 | 12 | 16 | 22.0 | 11.4 | 28.3 | 30.0 |
| 32 | 6 | 40°06.1' | 74°00.9' | 1201 | 15 | 1,065 | 157.6 | 12 | 17 | 21.6 | 11.4 | 28.1 | 30.0 |
| 33 | 6 | 40°05.5' | 73°58.9' | 1348 | 17 | 394 | 32.4 | 9 | 18 | 22.6 | 10.0 | 28.5 | 30.0 |
| 34 | 6 | 40°05.0' | 73°55.0' | 1535 | 15 | 61 | 48.2 | 9 | 20 | 23.4 | 9.6 | 29.3 | 30.9 |
| 35 | 6 | 40°05.0' | 73°48.6' | 1933 | 30 | 31 | 9.2 | 5 | 26 | 22.7 | 8.8 | 29.1 | 30.3 |
| 36 | 6 | 40°11.0' | 74°00.0' | 2152 | 15 | 156 | 31.7 | 7 | 10 | 21.8 | 15.0 | 27.7 | 29.6 |
| 37 | 7 | 40°24.1' | 73°45.4' | 0131 | 10 | 82 | 21.7 | 8 | 31 | 23.2 | 9.6 | 29.9 | 30.4 |
| 38 | 7 | 40°24.5' | 73°51.2' | 0311 | 10 | 62 | 10.2 | 5 | 18 | 23.1 | 13.0 | 29.9 | 30.1 |
| 39 | 7 | 40°33.6' | 73°34.6' | 0634 | 15 | 201 | 36.1 | 13 | 7 | 21.0 | 18.7 | 29.9 | 29.8 |
| 40 | 7 | 40°33.6' | 73°34.6' | 0755 | 15 | 379 | 51.5 | 15 | 8 | 20.2 | 17.7 | 29.9 | 30.0 |
| D-71-3 | Mar. | | | | | | | | | | | | |
| 1 | 30 | 38°01.0' | 75°14.0' | 0626 | 15 | 105 | 16.1 | 11 | 8 | 4.9 | 4.7 | 28.0 | 28.0 |
| 2 | 30 | 36°26.2' | 75°49.5' | 1534 | 15 | 151 | 34.3 | 11 | 8 | 6.7 | 6.7 | 25.2 | 25.3 |
| 3 | 30 | 36°08.0' | 75°43.0' | 1750 | 15 | 41 | 41.1 | 9 | 13 | 6.5 | 6.5 | 28.3 | 28.4 |
| 4 | 30 | 35°49.5' | 75°32.0' | 2024 | 15 | 40 | 31.8 | 8 | 13 | 6.5 | 6.5 | 28.3 | 28.2 |
| 5 | 30 | 35°51.0' | 75°26.0' | 2157 | 15 | 8 | 4.9 | 3 | 23 | 6.2 | 6.2 | 30.0 | 30.1 |
| 6 | 31 | 34°39.7' | 76°40.3' | 0941 | 15 | 21 | 0.7 | 8 | 9 | 10.1 | 10.2 | 31.3 | 32.2 |
| 7 | 31 | 34°37.0' | 76°33.7' | 1053 | 15 | 34 | 6.6 | 7 | 11 | 10.1 | 10.1 | 32.4 | 32.3 |
| 8 | 31 | 34°37.7' | 76°34.5' | 1206 | 15 | 180 | 24.6 | 10 | 14 | 10.4 | 10.0 | 31.9 | 32.1 |
| 9 | 31 | 34°29.8' | 76°32.5' | 1345 | 15 | 917 | 80.3 | 10 | 15 | 11.3 | 10.7 | 31.5 | 31.8 |
| 10 | 31 | 34°21.0' | 76°32.5' | 1607 | 15 | 50 | 35.7 | 6 | 26 | 11.9 | 12.3 | 31.5 | 32.2 |
| 11 | 31 | 33°55.0' | 77°55.0' | 2315 | 15 | 304 | 28.1 | 8 | 10 | 10.9 | 10.8 | 31.2 | 31.8 |
| | Apr. | | | | | | | | | | | | |
| 12 | 1 | 33°53.5' | 77°53.7' | 0227 | 15 | 414 | 50.6 | 13 | 11 | 10.9 | 10.6 | 31.5 | 31.8 |
| 13 | 1 | 33°51.3' | 77°51.6' | 0454 | 15 | 167 | 15.8 | 13 | 14 | 11.1 | 11.0 | 31.8 | 32.0 |
| 14 | 1 | 33°47.5' | 77°48.0' | 0653 | 15 | 708 | 34.2 | 17 | 16 | 11.3 | 11.3 | 32.2 | 32.5 |
| 15 | 1 | 33°15.8' | 79°08.0' | 1550 | 15 | 131 | 15.8 | 12 | 11 | 15.1 | 11.3 | 23.9 | 30.7 |
| 16 | 1 | 33°14.7' | 79°00.0' | 1711 | 15 | 415 | 32.1 | 17 | 9 | 14.1 | 11.3 | 26.0 | 30.7 |
| 17 | 1 | 33°13.0' | 79°03.0' | 1859 | 15 | 66 | 7.2 | 9 | 12 | 13.4 | 11.5 | 27.6 | 30.1 |
| 18 | 1 | 33°06.0' | 78°47.0' | 2111 | 15 | 152 | 30.6 | 16 | 21 | 13.7 | 12.2 | 32.0 | 32.1 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 2 | 32°34.5' | 79°58.5' | 0600 | 15 | 121 | 131.9 | 11 | 11 | 13.5 | 12.1 | 28.2 | 29.3 |
| 20 | 2 | 32°30.5' | 79°55.5' | 0735 | 15 | 6 | 2.8 | 2 | 11 | 12.7 | 12.9 | 29.5 | 30.9 |
| 21 | 2 | 32°18.0' | 79°46.0' | 0943 | 5 | 8 | 2.4 | 4 | 23 | 13.7 | 13.7 | 31.8 | 32.4 |
| 22 | 2 | 31°56.5' | 80°48.8' | 1622 | 15 | 395 | 28.6 | 11 | 8 | 14.1 | 13.3 | 29.3 | 30.4 |
| 23 | 2 | 31°55.0' | 80°47.0' | 1840 | 15 | 173 | 18.4 | 10 | 11 | 14.2 | 13.3 | 29.2 | 30.1 |
| 24 | 2 | 31°47.0' | 80°35.5' | 2100 | 15 | 73 | 6.0 | 8 | 16 | 14.4 | 14.1 | 31.3 | 31.7 |
| 25 | 3 | 30°59.0' | 80°55.0' | 0320 | 15 | 81 | 7.1 | 14 | 26 | 15.4 | 15.3 | 32.3 | 32.9 |
| 26 | 3 | 31°02.0' | 81°06.0' | 0620 | 15 | 148 | 5.5 | 10 | 15 | 15.0 | 15.0 | 30.9 | 31.9 |
| 27 | 3 | 31°04.0' | 81°10.0' | 0851 | 15 | 91 | 25.0 | 12 | 9 | 14.9 | 14.9 | 29.5 | 29.5 |
| 28 | 3 | 30°45.5' | 81°23.7' | 1225 | 15 | 82 | 5.6 | 14 | 9 | 15.7 | 15.1 | 30.2 | 30.7 |
| 29 | 3 | 29°56.0' | 81°15.0' | 1806 | 15 | 115 | 198.4 | 17 | 13 | 17.5 | 17.5 | 38.8 | 33.7 |
| 30 | 3 | 29°51.0' | 81°09.5' | 1956 | 15 | 349 | 147.7 | 14 | 18 | 17.5 | 17.6 | 33.9 | 33.9 |
| 31 | 3 | 29°51.5' | 81°00.0' | 2141 | 15 | 126 | 10.8 | 17 | 18 | 17.6 | 17.6 | 33.9 | 33.8 |
| 32 | 4 | 29°05.0' | 80°54.0' | 0333 | 15 | 94 | 9.4 | 15 | 14 | 18.3 | 18.2 | 33.7 | 33.7 |
| 33 | 4 | 29°07.0' | 80°49.0' | 0630 | 15 | 239 | 20.8 | 20 | 19 | 18.6 | 18.5 | 34.0 | 33.8 |
| 34 | 4 | 29°07.0' | 80°43.0' | 0830 | 15 | 61 | 25.9 | 8 | 18 | 18.7 | 18.6 | 33.8 | 33.7 |
| 35 | 7 | 34°13.7' | 77°46.0' | 0100 | 15 | 227 | 57.0 | 13 | 9 | 11.5 | 11.5 | 31.8 | 31.8 |
| 36 | 7 | 34°12.0' | 77°45.5' | 0235 | 15 | 71 | 19.2 | 13 | 14 | 11.8 | 11.8 | 31.8 | 31.9 |
| 37 | 7 | 35°02.7' | 75°59.5' | 1300 | 15 | 1,370 | 64.7 | 15 | 11 | 10.5 | 10.0 | 28.6 | 28.5 |
| 38 | 7 | 35°01.2' | 75°57.6' | 1455 | 15 | 243 | 16.7 | 13 | 18 | 10.6 | 10.0 | 28.1 | 29.5 |
| 39 | 7 | 35°48.5' | 75°30.0' | 2234 | 15 | 142 | 105.3 | 12 | 18 | 7.9 | 7.2 | 27.3 | 29.1 |
| 40 | 8 | 38°45.5' | 74°47.0' | 1610 | 30 | 95 | 24.3 | 11 | 16 | 5.5 | 5.3 | 29.5 | 29.4 |
| 41 | 9 | 39°50.0' | 74°00.0' | 0500 | 30 | 95 | 20.5 | 13 | 18 | 4.6 | 4.6 | 29.2 | 29.3 |
| D-71-11 | July | | | | | | | | | | | | |
| 1 | 12 | 39°43.5' | 73°52.5' | 1530 | 15 | 5 | 1.6 | 2 | 20 | 23.1 | 7.8 | 31.2 | 32.4 |
| 2 | 12 | 39°45.0' | 73°58.7' | 1705 | 15 | 22 | 7.0 | 6 | 16 | 23.1 | 9.5 | 31.5 | 31.8 |
| 3 | 12 | 39°46.0' | 74°02.0' | 1811 | 15 | 51 | 13.8 | 6 | 13 | 21.0 | 18.9 | 31.2 | 31.4 |
| 4 | 12 | 39°46.2' | 74°04.5' | 1930 | 15 | 1,260 | 203.7 | 9 | 13 | 21.3 | 21.4 | 31.1 | 31.0 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 13 | 38°52.3' | 74°38.2' | 0235 | 15 | 1,250 | 194.3 | 7 | 10 | 21.7 | 15.1 | 31.5 | 31.9 |
| 6 | 13 | 38°55.0' | 74°43.5' | 0428 | 15 | 724 | 129.1 | 12 | 14 | 21.4 | 16.4 | 31.4 | 31.6 |
| 7 | 13 | 38°56.5' | 74°46.7' | 0625 | 15 | 1,278 | 198.0 | 12 | 13 | 20.5 | 20.1 | 31.3 | 31.4 |
| 8 | 13 | 38°55.5' | 74°51.0' | 0827 | 15 | 271 | 87.6 | 15 | 13 | 20.1 | 20.1 | 31.4 | 31.5 |
| 9 | 13 | 38°19.4' | 75°05.0' | 1356 | 15 | 208 | 86.5 | 11 | 7 | 22.4 | 21.9 | 30.9 | 30.9 |
| 10 | 13 | 38°18.8' | 75°02.2' | 1518 | 15 | 696 | 153.7 | 12 | 17 | 23.4 | 21.4 | 31.1 | 31.1 |
| 11 | 13 | 38°18.3' | 74°58.6' | 1811 | 15 | 3,082 | 371.4 | 10 | 17 | 23.0 | 14.4 | 31.1 | 32.1 |
| 12 | 13 | 38°17.1' | 74°52.0' | 2025 | 15 | 403 | 46.4 | 7 | 23 | 23.0 | 10.8 | 31.2 | 32.4 |
| 13 | 14 | 35°48.5' | 75°31.0' | 1152 | 15 | 261 | 97.3 | 6 | 16 | 25.4 | 16.8 | 24.7 | 31.9 |
| 14 | 14 | 35°49.8' | 75°29.6' | 1345 | 15 | 115 | 15.4 | 7 | 23 | 25.4 | 15.7 | 27.3 | 32.0 |
| 15 | 14 | 35°50.7' | 75°26.0' | 1517 | 15 | 260 | 9.5 | 5 | 28 | 23.9 | 14.9 | 29.1 | 32.1 |
| 16 | 14 | 35°52.4' | 75°20.2' | 1638 | 15 | 201 | 10.6 | 5 | 29 | 24.2 | 12.6 | 30.2 | 32.8 |
| 17 | 15 | 35°02.5' | 75°57.5' | 0105 | 15 | 395 | 123.8 | 16 | 11 | 24.8 | 23.5 | 35.4 | 35.6 |
| 18 | 15 | 35°01.0' | 75°57.5' | 0330 | 15 | 1,844 | 121.3 | 15 | 20 | 25.3 | 23.9 | 35.3 | 36.4 |
| 19 | 15 | 34°59.0' | 75°55.1' | 0545 | 15 | 1,643 | 34.7 | 12 | 28 | 25.3 | 23.5 | 35.4 | 36.6 |
| 20 | 15 | 34°55.8' | 75°51.0' | 0750 | 15 | 760 | 10.5 | 6 | 27 | 26.2 | 24.1 | 35.8 | 36.6 |
| 21 | 15 | 34°39.1' | 76°36.8' | 1450 | 15 | 964 | 45.3 | 15 | 12 | 27.1 | 25.5 | 34.7 | 34.7 |
| 22 | 15 | 34°37.8' | 76°35.9' | 1635 | 15 | 520 | 25.1 | 14 | 14 | 27.3 | 25.8 | 34.9 | 35.3 |
| 23 | 15 | 34°34.8' | 76°34.4' | 1825 | 15 | 612 | 29.3 | 14 | 14 | 26.5 | 24.8 | 34.9 | 35.3 |
| 24 | 15 | 34°30.0' | 76°32.5' | 2034 | 15 | 44 | 61.1 | 10 | 17 | 26.6 | 25.8 | 34.9 | 35.3 |
| 25 | 17 | 29°05.3' | 80°54.0' | 1108 | 15 | 1,224 | 152.9 | 14 | 16 | 26.2 | 24.5 | 36.4 | 36.6 |
| 26 | 17 | 29°06.5' | 80°50.5' | 1228 | 15 | 10 | 137.4 | 5 | 19 | 26.7 | 22.6 | 36.5 | 36.3 |
| 27 | 18 | 29°55.2' | 81°14.5' | 1805 | 15 | 148 | 17.2 | 12 | 11 | 27.5 | 26.5 | 36.8 | 36.7 |
| 28 | 18 | 29°56.0' | 81°11.5' | 1910 | 15 | 496 | 19.7 | 16 | 19 | 27.4 | 26.4 | 36.7 | 36.7 |
| 29 | 19 | 31°22.8' | 81°10.5' | 0415 | 15 | 110 | 6.0 | 8 | 7 | 28.7 | 28.8 | 34.4 | 35.8 |
| 30 | 19 | 31°21.2' | 81°05.0' | 0543 | 15 | 91 | 8.9 | 10 | 14 | 28.5 | 28.6 | 36.3 | 36.5 |
| 31 | 19 | 32°10.0' | 80°32.5' | 1147 | 15 | 36 | 3.7 | 9 | 9 | 29.2 | 29.2 | 34.3 | 35.3 |
| 32 | 19 | 32°06.8' | 80°28.0' | 1255 | 15 | 32 | 3.1 | 9 | 16 | 29.1 | 28.4 | 35.4 | 36.1 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 19 | 31°57.0' | 80°14.8' | 1505 | 15 | 18 | 0.8 | 2 | 27 | 28.9 | 27.3 | 36.6 | 36.7 |
| 34 | 19 | 32°34.9' | 79°58.7' | 1920 | 15 | 187 | 16.5 | 13 | 11 | 28.7 | 29.2 | 35.0 | 34.9 |
| 35 | 19 | 32°30.7' | 79°55.5' | 2100 | 15 | 23 | 3.3 | 9 | 11 | 28.4 | 28.4 | 35.8 | 35.8 |
| 36 | 20 | 33°47.7' | 78°42.0' | 0645 | 15 | 68 | 7.2 | 15 | 8 | 27.2 | 27.2 | 35.4 | 35.3 |
| 37 | 20 | 33°44.0' | 78°38.5' | 0810 | 15 | 13 | 1.4 | 5 | 12 | 26.1 | 24.5 | 35.4 | 35.8 |
| 38 | 20 | 33°32.2' | 78°27.0' | 1025 | 15 | 1,179 | 142.4 | 11 | 22 | 26.7 | 24.8 | 35.1 | 36.3 |
| 39 | 20 | 33°39.3' | 77°40.8' | 1605 | 15 | 1,003 | 78.4 | 8 | 26 | 26.6 | 25.3 | 35.8 | 35.7 |
| 40 | 20 | 33°51.3' | 77°51.5' | 1840 | 15 | 838 | 79.6 | 16 | 18 | 27.5 | 25.3 | 35.3 | 36.2 |
| 41 | 21 | 36°48.0' | 75°31.8' | 1815 | 15 | 631 | 23.4 | 5 | 18 | 24.1 | 14.5 | 30.5 | 32.2 |
| 42 | 21 | 36°46.2' | 75°50.0' | 2008 | 15 | 874 | 23.6 | 13 | 16 | 21.2 | 16.0 | 31.0 | 31.6 |
| 43 | 21 | 36°45.5' | 75°56.0' | 2126 | 15 | 190 | 22.0 | 10 | 8 | 23.3 | 21.5 | 25.7 | 30.0 |
| 44 | 22 | 37°35.8' | 75°09.3' | 0425 | 15 | 572 | 68.8 | 6 | 28 | 23.3 | 10.0 | 31.1 | 32.2 |
| 45 | 22 | 37°43.2' | 75°25.8' | 0645 | 15 | 64 | 6.2 | 10 | 14 | 22.6 | 13.2 | 31.4 | 31.3 |
| 46 | 22 | 37°46.0' | 75°31.0' | 0815 | 15 | 507 | 145.8 | 19 | 8 | 21.3 | 20.8 | 31.7 | 31.5 |
| 47 | 22 | 38°36.5' | 75°02.6' | 1538 | 15 | 2,786 | 346.5 | 21 | 13 | 22.9 | 22.3 | 30.8 | 30.5 |
| 48 | 22 | 38°38.8' | 74°57.0' | 1833 | 15 | 3,457 | 512.2 | 13 | 18 | 20.7 | 17.9 | 30.7 | 31.0 |
| 49 | 22 | 38°37.0' | 74°38.5' | 2142 | 15 | 108 | 12.8 | 7 | 32 | 22.7 | 7.5 | 31.2 | 31.3 |
| D-71-14 | Aug. | | | | | | | | | | | | |
| 1 | 23 | 40°42.0' | 72°55.7' | 1450 | 15 | 908 | 15.0 | 15 | 12 | 17.1 | 15.3 | 32.5 | 32.1 |
| 2 | 23 | 40°40.0' | 72°55.0' | 1652 | 15 | 113 | 31.4 | 6 | 23 | 18.5 | 12.8 | 31.2 | 31.7 |
| 3 | 23 | 40°37.6' | 72°54.0' | 1815 | 15 | 58 | 17.7 | 8 | 27 | 19.7 | 10.0 | 31.0 | 32.0 |
| 4 | 23 | 40°28.5' | 72°50.5' | 1948 | 15 | 244 | 46.6 | 8 | 47 | 21.3 | 6.5 | 31.2 | 32.2 |
| 5 | 23 | 40°14.0' | 72°44.0' | 2225 | 15 | 114 | 22.1 | 9 | 52 | 21.3 | 4.7 | 30.6 | 32.4 |
| 6 | 24 | 38°55.7' | 74°51.4' | 1202 | 15 | 297 | 60.2 | 15 | 11 | 21.1 | 20.7 | 31.2 | 31.5 |
| 7 | 24 | 38°56.5' | 74°46.8' | 1347 | 15 | 92 | 9.8 | 6 | 11 | 21.9 | 21.6 | 31.3 | 31.4 |
| 8 | 24 | 38°54.9' | 74°43.7' | 1513 | 15 | 2,000 | 211.7 | 9 | 14 | 21.8 | 20.1 | 31.1 | 31.4 |
| 9 | 24 | 38°49.5' | 74°32.8' | 1726 | 15 | 53 | 5.1 | 5 | 24 | 22.0 | 11.8 | 31.5 | 31.5 |
| 10 | 24 | 38°47.0' | 74°27.2' | 1835 | 15 | 33 | 4.1 | 7 | 24 | 22.9 | 9.2 | 31.7 | 32.1 |
| 11 | 24 | 38°41.5' | 74°16.5' | 2005 | 15 | 87 | 7.8 | 9 | 42 | 24.3 | 6.5 | 31.7 | 31.6 |
| 12 | 24 | 38°36.5' | 74°06.0' | 2150 | 15 | 45 | 4.2 | 10 | 53 | 24.8 | 5.6 | 32.5 | 32.5 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 25 | 38°11.0' | 74°14.6' | 0112 | 15 | 45 | 6.0 | 9 | 43 | 24.6 | 6.4 | 32.5 | 32.1 |
| 14 | 25 | 38°12.9' | 74°27.0' | 0323 | 15 | 121 | 15.0 | 10 | 34 | 24.2 | 7.5 | 32.1 | 32.2 |
| 15 | 25 | 38°15.0' | 74°39.5' | 0526 | 15 | 270 | 17.7 | 5 | 30 | 23.1 | 7.8 | 31.7 | 31.8 |
| 16 | 25 | 38°17.3' | 74°52.0' | 0713 | 15 | 1,173 | 70.8 | 8 | 11 | 22.8 | 18.6 | 31.6 | 31.2 |
| 17 | 25 | 38°18.2' | 74°58.5' | 0840 | 15 | 3,198 | 318.3 | 9 | 17 | 21.7 | 17.2 | 31.5 | 31.4 |
| 18 | 25 | 38°19.5' | 75°04.5' | 1125 | 15 | 1,211 | 206.6 | 15 | 13 | 21.4 | 20.7 | 30.9 | 30.9 |
| 19 | 25 | 38°36.5' | 75°03.0' | 1529 | 15 | 295 | 193.4 | 17 | 12 | 21.5 | 21.2 | 30.8 | 30.8 |
| 20 | 26 | 39°04.0' | 73°34.7' | 0017 | 15 | 104 | 11.6 | 6 | 47 | 24.0 | 5.2 | 31.8 | 32.5 |
| 21 | 26 | 39°10.3' | 73°45.0' | 0212 | 15 | 143 | 13.6 | 10 | 34 | 23.6 | 7.3 | 31.8 | 32.3 |
| 22 | 26 | 39°16.3' | 73°55.7' | 0414 | 15 | 78 | 9.4 | 8 | 31 | 23.0 | 7.6 | 31.6 | 32.0 |
| 23 | 26 | 39°22.4' | 74°06.0' | 0601 | 15 | 99 | 6.9 | 6 | 20 | 23.1 | 9.8 | 31.6 | 31.7 |
| 24 | 26 | 39°25.5' | 74°11.0' | 0710 | 15 | 69 | 20.1 | 7 | 17 | 21.9 | 11.3 | 31.0 | 31.6 |
| 25 | 26 | 39°27.2' | 74°14.0' | 0820 | 15 | 253 | 13.4 | 5 | 13 | 21.8 | 14.4 | 31.1 | 31.2 |
| 26 | 26 | 39°30.0' | 74°15.5' | 0937 | 15 | 264 | 46.6 | 8 | 9 | 21.7 | 19.2 | 30.8 | 31.0 |
| 27 | 26 | 40°05.8' | 74°00.2' | 1356 | 15 | 151 | 15.7 | 7 | 13 | 22.2 | 12.0 | 30.8 | 31.2 |
| 28 | 26 | 40°05.7' | 73°54.5' | 1555 | 15 | 43 | 16.3 | 7 | 22 | 22.8 | 8.6 | 31.1 | 31.9 |
| 29 | 26 | 40°05.0' | 73°48.2' | 1712 | 15 | 72 | 4.6 | 6 | 28 | 22.8 | 8.1 | 31.2 | 31.8 |
| 30 | 26 | 40°04.5' | 73°41.5' | 1846 | 15 | 19 | 4.4 | 7 | 33 | 22.7 | 7.2 | 31.1 | 32.3 |
| 31 | 26 | 40°04.0' | 73°35.0' | 2001 | 15 | 65 | 6.3 | 8 | 38 | 22.5 | 5.7 | 30.9 | 32.4 |
| 32 | 26 | 40°02.7' | 73°22.0' | 2158 | 15 | 73 | 20.0 | 8 | 47 | 21.9 | 5.5 | 30.7 | 32.3 |
| 33 | 27 | 40°01.2' | 73°09.0' | 0001 | 15 | 117 | 18.7 | 9 | 45 | 21.0 | 5.5 | 31.1 | 31.3 |
| 34 | 27 | 40°32.5' | 73°20.5' | 0638 | 15 | 129 | 33.0 | 6 | 21 | 19.2 | 13.0 | 31.0 | 31.7 |
| Del-71-2 | Nov. | | | | | | | | | | | | |
| 1 | 2 | 39°46.5' | 74°04.0' | 1417 | 15 | 344 | 28.0 | 10 | 10 | 17.4 | 17.4 | 30.4 | 30.5 |
| 2 | 2 | 39°45.7' | 74°01.0' | 1535 | 15 | 197 | 47.5 | 8 | 14 | 17.3 | 17.1 | 30.6 | 31.3 |
| 3 | 2 | 39°45.5' | 73°58.5' | 1808 | 15 | 167 | 30.0 | 8 | 20 | 17.3 | 17.0 | 30.6 | 31.3 |
| 4 | 2 | 39°44.6' | 73°51.5' | 1950 | 15 | 335 | 71.5 | 9 | 37 | 17.5 | 16.4 | 30.5 | 31.5 |
| 5 | 2 | 39°41.6' | 73°46.8' | 2125 | 15 | 131 | 49.4 | 9 | 18 | 17.8 | 17.0 | 30.1 | 31.5 |
| 6 | 2 | 39°40.0' | 73°39.5' | 2310 | 15 | 205 | 44.4 | 8 | 31 | 17.7 | 16.6 | 30.7 | 32.0 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 3 | 39°37.0' | 73°27.2' | 0115 | 15 | 78 | 36.6 | 11 | 32 | 17.4 | 15.5 | 31.5 | 32.7 |
| 8 | 3 | 39°34.5' | 73°14.6' | 0307 | 15 | 142 | 89.3 | 11 | 37 | 17.3 | 13.5 | 31.7 | 32.3 |
| 9 | 3 | 40°36.5' | 73°21.0' | 0945 | Trawl hung and catch lost | | | | 10 | 17.2 | 17.0 | 30.8 | 31.3 |
| Del-71-3 | Nov. | | | | | | | | | | | | |
| 1 | 9 | 37°08.5' | 75°48.0' | 1108 | 15 | 1,014 | 110.4 | 15 | 8 | 14.8 | 14.8 | 30.8 | 30.8 |
| 2 | 9 | 37°06.5' | 75°42.5' | 1315 | 15 | 461 | 27.8 | 10 | 13 | 16.6 | 16.4 | 31.1 | 31.2 |
| 3 | 9 | 37°04.8' | 75°36.7' | 1434 | 15 | 132 | 47.6 | 6 | 18 | 16.8 | 16.6 | 31.1 | 31.2 |
| 4 | 9 | 37°01.5' | 75°25.5' | 1554 | 15 | 18 | 77.1 | 6 | 25 | 16.9 | 16.6 | 31.6 | 31.6 |
| 5 | 9 | 36°57.0' | 75°12.2' | 1815 | 15 | 41 | 36.7 | 9 | 39 | 16.7 | 16.5 | 32.5 | 32.9 |
| 6 | 9 | 36°53.5' | 75°01.5' | 1939 | 15 | 97 | 38.8 | 12 | 40 | 17.0 | 16.7 | 33.0 | 33.6 |
| 7 | 10 | 35°02.0' | 76°00.5' | 0754 | 15 | 996 | 335.6 | 25 | 12 | 16.3 | 20.1 | 26.3 | 32.0 |
| 8 | 10 | 34°59.0' | 75°55.0' | 1107 | 15 | 10 | 1.9 | 5 | 25 | 19.9 | 21.0 | 32.0 | 33.4 |
| 9 | 10 | 34°55.5' | 75°51.5' | 1215 | 15 | 1,374 | 141.4 | 13 | 20 | 20.0 | 20.8 | 32.7 | 32.9 |
| 10 | 10 | 34°48.5' | 75°42.5' | 1406 | 15 | 22 | 2.7 | 5 | 44 | 19.2 | 23.1 | 31.7 | 34.5 |
| 11 | 10 | 34°43.6' | 75°35.5' | 1558 | 30 | 71 | 4.8 | 10 | 150 | 25.8 | 15.0 | 36.1 | 34.2(60) |
| 12 | 11 | 33°55.5' | 77°54.0' | 0402 | 15 | 65 | 9.6 | 13 | 12 | 18.6 | 18.7 | 34.1 | 34.0 |
| 13 | 11 | 33°51.2' | 77°51.4' | 0514 | 15 | 86 | 29.1 | 14 | 14 | 18.8 | 18.8 | 34.2 | 34.0 |
| 14 | 11 | 33°47.5' | 77°48.0' | 0626 | 15 | 126 | 20.5 | 14 | 17 | 19.3 | 19.3 | 34.5 | 34.5 |
| 15 | 11 | 33°39.5' | 77°40.5' | 0748 | 15 | 7 | 1.8 | 5 | 19 | 20.4 | 20.4 | 33.0 | 35.1 |
| 16 | 11 | 33°31.6' | 77°33.3' | 0903 | 15 | 8 | 1.0 | 2 | 17 | 22.5 | 22.4 | 36.0 | 35.9 |
| 17 | 11 | 33°23.5' | 77°26.0' | 1027 | 15 | 17 | 3.0 | 4 | 29 | 24.8 | 24.8 | 36.2 | 35.8 |
| 18 | 11 | 32°55.5' | 78°26.5' | 1614 | 15 | 3,807 | 391.4 | 15 | 39 | 24.0 | 23.4 | 36.1 | 35.9 |
| 19 | 11 | 33°00.8' | 78°36.5' | 1807 | Trawl hung and catch lost | | | | 30 | 22.5 | 22.3 | 36.0 | 35.8 |
| 20 | 11 | 33°06.0' | 78°48.0' | 2330 | 15 | 15 | 4.7 | 7 | 20 | 20.8 | 20.6 | 35.9 | 35.9 |
| 21 | 12 | 33°10.5' | 78°58.0' | 0105 | 15 | 14 | 0.9 | 7 | 14 | 18.4 | 19.2 | 26.0 | 35.4 |
| 22 | 12 | 33°16.0' | 79°07.0' | 0223 | 15 | 81 | 11.4 | 16 | 9 | 18.0 | 18.8 | 32.7 | 34.6 |
| 23 | 12 | 31°56.4' | 80°49.3' | 1430 | 15 | 85 | 4.8 | 14 | 10 | 18.6 | 19.2 | 31.6 | 32.6 |
| 24 | 12 | 31°53.0' | 80°44.5' | 1541 | 15 | 23 | 6.7 | 8 | 12 | 18.4 | 19.8 | 31.6 | 33.1 |
| 25 | 12 | 31°51.7' | 80°41.0' | 1715 | 15 | 110 | 11.0 | 9 | 15 | 19.2 | 19.6 | 32.9 | 33.8 |
| 26 | 12 | 31°43.3' | 80°31.0' | 1924 | 15 | 90 | 11.0 | 18 | 19 | 20.6 | 20.8 | 35.0 | 35.1 |
| 27 | 12 | 31°36.7' | 80°22.5' | 2055 | 15 | 640 | 68.2 | 28 | 24 | 22.0 | 21.9 | 36.1 | 35.9 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 13 | 31°30.7' | 80°13.5' | 0051 | 15 | 71 | 8.7 | 12 | 33 | 22.5 | 22.5 | 36.1 | 36.0 |
| 29 | 13 | 29°28.6' | 80°30.8' | 1006 | 15 | 441 | 258.7 | 19 | 40 | 25.4 | 25.2 | 36.3 | 36.2 |
| 30 | 13 | 29°55.8' | 80°42.0' | 1245 | 15 | 99 | 15.8 | 11 | 33 | 24.1 | 23.9 | 36.1 | 36.0 |
| 31 | 13 | 29°52.8' | 80°53.0' | 1417 | 15 | 52 | 8.3 | 5 | 24 | 23.1 | 23.1 | 35.3 | 35.6 |
| 32 | 13 | 29°50.0' | 81°04.0' | 1542 | 15 | 42 | 9.6 | 9 | 19 | 22.2 | 22.2 | 34.2 | 34.5 |
| 33 | 13 | 29°48.5' | 81°09.5' | 1650 | 15 | 95 | 9.8 | 13 | 19 | 21.6 | 22.1 | 33.6 | 34.2 |
| 34 | 13 | 29°47.0' | 81°15.1' | 1845 | 15 | 237 | 12.1 | 14 | 12 | 20.7 | 20.1 | 33.1 | 33.0 |
| 35 | 13 | 29°55.0' | 81°14.5' | 2043 | 15 | 707 | 96.1 | 24 | 12 | 20.5 | 20.4 | 33.1 | 33.0 |
| 36 | 14 | 29°12.2' | 80°10.0' | 0519 | 15 | 215 | 16.4 | 16 | 84 | 26.4 | 22.8 | 36.3 | 35.8(50) |
| 37 | 14 | 29°08.0' | 80°17.0' | 0713 | 15 | 93 | 6.4 | 17 | 41 | 24.7 | 24.6 | 35.9 | 35.9 |
| 38 | 14 | 29°03.0' | 80°27.0' | 0835 | 15 | 44 | 9.3 | 10 | 27 | 23.4 | 23.1 | 35.4 | 35.3 |
| 39 | 14 | 28°57.5' | 80°36.8' | 0955 | 15 | 26 | 7.4 | 8 | 16 | 22.8 | 23.3 | 35.0 | 35.1 |
| 40 | 14 | 28°55.0' | 80°41.5' | 1047 | 15 | 261 | 33.8 | 13 | 19 | 22.8 | 23.3 | 34.9 | 35.0 |
| 41 | 14 | 28°52.8' | 80°47.0' | 1218 | 15 | 76 | 3.0 | 7 | 12 | 22.5 | 22.1 | 34.4 | 34.5 |
| 42 | 14 | 29°05.2' | 80°54.0' | 1400 | 15 | 595 | 29.1 | 26 | 16 | 21.3 | 21.6 | 34.1 | 34.5 |
| 43 | 15 | 30°54.0' | 80°32.3' | 0001 | 15 | 89 | 13.1 | 23 | 34 | 23.3 | 23.1 | 36.0 | 35.8 |
| 44 | 15 | 30°56.5' | 80°43.5' | 0134 | 15 | 147 | 18.3 | 23 | 28 | 22.1 | 22.1 | 35.6 | 35.6 |
| 45 | 15 | 30°59.1' | 80°55.0' | 0302 | 15 | 42 | 89.4 | 14 | 22 | 21.2 | 21.2 | 35.0 | 35.1 |
| 46 | 15 | 31°01.8' | 81°06.0' | 0425 | 15 | 27 | 105.3 | 8 | 16 | 19.3 | 20.5 | 32.9 | 34.2 |
| 47 | 15 | 31°03.0' | 81°10.7' | 0548 | 15 | 21 | 1.9 | 9 | 12 | 19.3 | 20.3 | 32.4 | 33.6 |
| 48 | 15 | 31°04.0' | 81°16.0' | 0658 | 15 | 15 | 5.8 | 8 | 10 | 19.0 | 19.6 | 32.4 | 32.6 |
| 49 | 15 | 32°01.2' | 79°33.3' | 1713 | 15 | 1,550 | 168.8 | 15 | 41 | 23.9 | 22.8 | 36.1 | 36.0 |
| 50 | 15 | 32°09.5' | 79°40.0' | 1904 | 15 | 193 | 19.6 | 15 | 32 | 22.3 | 22.1 | 35.9 | 36.1 |
| 51 | 15 | 32°20.0' | 79°46.0' | 2255 | 15 | 182 | 20.4 | 23 | 28 | 21.1 | 21.1 | 35.7 | 35.8 |
| 52 | 16 | 32°26.5' | 79°52.5' | 0040 | 15 | 21 | 5.3 | 12 | 13 | 19.5 | 19.4 | 34.8 | 34.7 |
| 53 | 16 | 32°30.8' | 79°55.5' | 0135 | 15 | 20 | 2.9 | 9 | 11 | 18.4 | 18.7 | 33.5 | 34.0 |
| 54 | 16 | 32°34.4' | 79°58.5' | 0240 | 15 | 88 | 6.8 | 16 | 12 | 17.8 | 17.8 | 31.5 | 32.6 |
| 55 | 16 | 34°02.5' | 76°42.5' | 1950 | 15 | 578 | 61.0 | 22 | 36 | 25.2 | 24.6 | 36.2 | 36.3 |
| 56 | 16 | 34°11.5' | 76°47.0' | 2022 | 15 | 326 | 57.1 | 29 | 31 | 23.3 | 22.6 | 36.3 | 36.2 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 17 | 34°21.0' | 76°52.0' | 0105 | 15 | 712 | 96.6 | 29 | 25 | 20.5 | 21.0 | 35.8 | 35.8 |
| 58 | 17 | 34°30.1' | 76°56.1' | 0348 | 15 | 14,020 | 1,486.9 | 19 | 20 | 19.7 | 19.9 | 34.5 | 34.6 |
| 59 | 17 | 34°39.4' | 77°01.0' | 0655 | 10 | 606 | 81.7 | 21 | 13 | 18.1 | 18.9 | 33.3 | 33.4 |
| 60 | 17 | 35°47.5' | 75°29.3' | 2108 | 15 | 1,383 | 276.8 | 12 | 17 | 16.3 | 16.5 | 29.9 | 30.0 |
| 61 | 17 | 35°50.6' | 75°26.3' | 2255 | 15 | 122 | 57.3 | 15 | 22 | 16.6 | 16.6 | 30.9 | 30.8 |
| 62 | 18 | 35°52.4' | 75°20.3' | 0015 | 15 | 49 | 71.5 | 11 | 25 | 16.3 | 16.3 | 32.1 | 32.0 |
| 63 | 18 | 35°55.5' | 75°08.6' | 0212 | 15 | 20 | 33.7 | 5 | 33 | 16.7 | 16.7 | 33.6 | 33.6 |
| 64 | 18 | 35°58.3' | 74°57.8' | 0336 | 15 | 44 | 114.0 | 10 | 59 | 16.7 | 17.5 | 33.9 | 34.8 |
| 65 | 18 | 38°01.0' | 75°14.3' | 1532 | 15 | 211 | 87.3 | 16 | 12 | 13.7 | 13.1 | 30.1 | 30.1 |
| 66 | 18 | 37°59.0' | 75°08.5' | 1628 | 15 | 87 | 84.8 | 9 | 14 | 13.9 | 13.6 | 30.3 | 30.5 |
| 67 | 18 | 37°57.2' | 75°02.5' | 1735 | 15 | 77 | 48.9 | 11 | 20 | 14.2 | 14.2 | 31.1 | 32.0 |
| 68 | 18 | 37°53.9' | 74°49.2' | 1910 | 15 | 81 | 49.9 | 9 | 29 | 14.9 | 14.9 | 33.1 | 33.0 |
| Del-72-8 | Mar. | | | | | | | | | | | | |
| 1 | 21 | 35°47.5' | 75°29.5' | 1015 | 15 | 456 | 16.2 | 15 | 14 | 8.7 | 9.2 | 29.6 | 30.2 |
| 2 | 21 | 35°51.0' | 75°25.5' | 1122 | 15 | 33 | 35.1 | 11 | 23 | 8.8 | 8.3 | 28.9 | 31.5 |
| 3 | 21 | 35°52.5' | 75°19.5' | 1238 | 15 | 48 | 57.1 | 6 | 27 | 8.9 | 8.3 | 31.9 | 32.5 |
| 4 | 21 | 35°55.5' | 75°08.0' | 1355 | 15 | 43 | 88.7 | 6 | 28 | 9.5 | 9.2 | 31.9 | 33.7 |
| 5 | 21 | 35°57.5' | 74°57.5' | 1538 | 15 | 167 | 285.2 | 5 | 62 | 10.0 | 11.4 | 32.2 | 33.8 |
| 6 | 21 | 36°02.0' | 74°47.5' | 1700 | 30 | 66 | 11.0 | 9 | 140 | 17.7 | 11.6 | 35.5 | * |
| 7 | 22 | 33°19.5' | 77°16.5' | 1949 | 15 | 15 | 1.4 | 7 | 49 | 19.7 | 17.8 | 36.3 | 36.4 |
| 8 | 22 | 33°27.0' | 77°24.0' | 2133 | Trawl hung and catch lost | | | | 31 | 16.0 | 16.0 | 35.8 | 35.8 |
| 9 | 22 | 33°35.0' | 77°31.5' | 2309 | 15 | 726 | 105.2 | 18 | 24 | 15.0 | 15.0 | 35.8 | 35.6 |
| 10 | 23 | 34°43.0' | 77°38.8' | 0057 | 15 | 616 | 44.7 | 15 | 23 | 14.8 | 14.7 | 35.6 | 35.6 |
| 11 | 23 | 33°50.5' | 77°46.0' | 0213 | 15 | 163 | 31.1 | 13 | 17 | 13.9 | 13.9 | 34.7 | 34.9 |
| 12 | 23 | 33°57.5' | 77°52.0' | 0443 | 15 | 51 | 9.4 | 11 | 16 | 13.5 | 13.5 | 33.9 | 34.2 |
| 13 | 23 | 32°49.0' | 79°39.5' | 1722 | 15 | 96 | 17.3 | 5 | 10 | 15.7 | 15.7 | 32.8 | 32.9 |
| 14 | 23 | 32°46.0' | 79°35.0' | 1826 | 15 | 20 | 14.1 | 7 | 12 | 15.4 | 15.4 | 33.1 | 33.3 |
| 15 | 23 | 32°43.0' | 79°30.0' | 1925 | 15 | 19 | 4.9 | 7 | 12 | 15.6 | 15.6 | 33.8 | 34.6 |
| 16 | 23 | 32°37.0' | 79°20.5' | 2043 | 15 | 2,352 | 231.5 | 20 | 24 | 16.0 | 16.3 | 35.1 | 35.6 |
| 17 | 23 | 32°30.5' | 79°11.5' | 2218 | 15 | 1,199 | 356.2 | 21 | 35 | 17.1 | 17.0 | 35.9 | 35.8 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 24 | 32°24.3' | 79°02.5' | 0006 | 15 | 115 | 9.5 | 17 | 42 | 18.1 | 16.8 | 35.8 | 36.0 |
| 19 | 24 | 32°18.0' | 78°55.0' | 0208 | 30 | 542 | 34.8 | 12 | 145 | 21.0 | 14.8 | 36.5 | * |
| 20 | 24 | 31°24.0' | 81°09.0' | 1342 | 15 | 21 | 26.7 | 7 | 8 | 16.2 | 15.7 | 31.0 | 31.4 |
| 21 | 24 | 31°22.5' | 81°03.5' | 1441 | 15 | 30 | 15.2 | 6 | 14 | 16.2 | 16.0 | 30.1 | 32.0 |
| 22 | 24 | 31°20.5' | 80°58.0' | 1545 | 15 | 12 | 5.5 | 4 | 15 | 17.5 | 16.1 | 31.2 | 32.5 |
| 23 | 24 | 31°16.5' | 80°47.0' | 1711 | 15 | 18 | 302.2 | 6 | 21 | 17.9 | 16.9 | 34.4 | 33.5 |
| 24 | 24 | 31°13.0' | 80°36.0' | 1852 | 15 | 20 | 5.8 | 7 | 25 | 18.5 | 18.2 | 34.5 | 34.5 |
| 25 | 24 | 31°09.0' | 80°25.0' | 2005 | 15 | 35 | 14.1 | 13 | 30 | 19.1 | 19.6 | 35.1 | 35.4 |
| 26 | 24 | 31°05.0' | 80°12.0' | 2150 | 15 | 60 | 6.3 | 16 | 44 | 21.6 | 21.3 | 36.6 | 36.3 |
| 27 | 24 | 30°59.5' | 79°58.0' | 2322 | 15 | 125 | 9.5 | 13 | 95 | 22.0 | 14.5 | 36.4 | 36.4(40) |
| 28 | 25 | 29°45.8' | 80°15.0' | 0835 | 15 | No finfish caught | | | 147 | 23.6 | 10.0 | 36.5 | 36.4(15) |
| 29 | 25 | 29°44.5' | 80°26.5' | 1022 | 15 | 605 | 54.7 | 15 | 39 | 22.2 | 19.7 | 36.2 | 36.4 |
| 30 | 25 | 29°43.5' | 80°38.0' | 1210 | 15 | 50 | 11.1 | 11 | 30 | 21.6 | 21.4 | 36.3 | 36.4 |
| 31 | 25 | 29°42.3' | 80°49.3' | 1334 | 15 | 26 | 4.2 | 5 | 29 | 20.7 | 20.6 | 35.8 | 36.0 |
| 32 | 25 | 29°41.0' | 81°01.0' | 1500 | 15 | 57 | 16.2 | 9 | 17 | 19.8 | 19.5 | 35.3 | 35.5 |
| 33 | 25 | 29°40.5' | 81°06.5' | 1553 | 15 | 24 | 3.8 | 7 | 17 | 19.6 | 19.6 | 35.1 | 35.3 |
| 34 | 25 | 29°40.0' | 81°12.0' | 1705 | 15 | 87 | 13.3 | 13 | 13 | 19.4 | 19.2 | 34.5 | 34.8 |
| 35 | 25 | 28°53.0' | 80°47.0' | 2226 | 15 | 952 | 89.0 | 16 | 10 | 20.8 | 20.7 | 36.0 | 36.0 |
| 36 | 26 | 28°54.0' | 80°41.5' | 0010 | 15 | 19 | 3.2 | 6 | 22 | 20.9 | 20.2 | 36.0 | 36.1 |
| 37 | 26 | 28°55.0' | 80°36.0' | 0122 | 15 | 19 | 6.3 | 11 | 22 | 21.0 | 21.0 | 36.3 | 36.3 |
| 38 | 26 | 28°57.0' | 80°24.6' | 0252 | 15 | 55 | 10.9 | 16 | 21 | 21.0 | 21.0 | 36.5 | 36.3 |
| 39 | 26 | 28°59.0' | 80°13.4' | 0455 | 15 | 94 | 3.4 | 20 | 58 | 22.4 | 16.6 | 36.2 | 36.1 |
| 40 | 26 | 30°30.0' | 81°22.0' | 1604 | 15 | 103 | 8.8 | 11 | 14 | 16.8 | 16.8 | 32.6 | 32.7 |
| 41 | 26 | 30°29.2' | 81°16.0' | 1707 | 15 | 379 | 24.5 | 10 | 17 | 17.3 | 17.2 | 33.0 | 33.1 |
| 42 | 26 | 30°28.5' | 81°10.5' | 1822 | 15 | 35 | 96.1 | 5 | 20 | 18.3 | 18.3 | 34.5 | 34.4 |
| 43 | 26 | 30°27.2' | 80°59.0' | 2009 | 15 | 59 | 15.7 | 17 | 28 | 19.0 | 19.0 | 35.1 | 35.1 |
| 44 | 26 | 30°26.0' | 80°47.5' | 2120 | 15 | 55 | 10.4 | 11 | 28 | 19.8 | 19.7 | 35.7 | 35.8 |
| 45 | 26 | 30°24.5' | 80°36.0' | 2238 | 15 | 164 | 203.4 | 27 | 31 | 20.9 | 20.7 | 36.6 | 36.4 |
| 46 | 27 | 30°23.2' | 80°24.5' | 0012 | 15 | 387 | 29.7 | 30 | 39 | 21.1 | 21.1 | 36.5 | 36.4 |
| 47 | 27 | 30°22.0' | 80°13.0' | 0157 | 15 | 62 | 3.2 | 6 | 138 | 23.0 | 12.6 | 36.6 | * |
| 48 | 27 | 32°14.0' | 80°28.5' | 1135 | 15 | 19 | 21.2 | 6 | 11 | 14.7 | 14.7 | 31.8 | 32.2 |
| 49 | 27 | 32°11.8' | 80°25.0' | 1226 | 15 | 8 | 3.7 | 2 | 13 | 14.8 | 14.2 | 32.2 | 32.6 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 27 | 32°08.6' | 80°20.5' | 1429 | 15 | 133 | 4.6 | 7 | 17 | 15.1 | 14.5 | 33.2 | 32.9 |
| 51 | 27 | 32°02.4' | 80°11.2' | 1545 | 15 | 16 | 4.5 | 7 | 22 | 15.2 | 14.9 | 33.7 | 34.1 |
| 52 | 27 | 31°56.0' | 80°01.7' | 1728 | 15 | 53 | 36.5 | 8 | 27 | 16.7 | 16.8 | 34.8 | 35.0 |
| 53 | 27 | 31°49.8' | 79°52.5' | 1855 | 15 | 26 | 23.8 | 10 | 40 | 19.0 | 19.6 | 36.0 | 36.4 |
| 54 | 27 | 31°43.2' | 79°43.0' | 2018 | 15 | 30 | 2.9 | 11 | 53 | 20.5 | 19.2 | 36.5 | 36.3 |
| 55 | 27 | 31°37.5' | 79°34.5' | 2140 | 15 | 158 | 15.2 | 8 | 143 | 21.6 | 15.3 | 36.5 | * |
| 56 | 28 | 33°38.0' | 78°55.5' | 0828 | 15 | 8 | 7.9 | 5 | 8 | 14.0 | 13.8 | 33.5 | 33.6 |
| 57 | 28 | 33°33.5' | 78°52.0' | 0918 | 15 | 11 | 26.1 | 2 | 11 | 13.5 | 13.5 | 33.7 | 33.8 |
| 58 | 28 | 33°30.0' | 78°47.3' | 1004 | 15 | 13 | 23.3 | 7 | 14 | 13.6 | 13.5 | 33.7 | 33.9 |
| 59 | 28 | 33°22.0' | 78°41.0' | 1125 | 15 | 698 | 112.5 | 10 | 16 | 14.5 | 14.5 | 34.4 | 34.7 |
| 60 | 28 | 33°14.2' | 78°33.7' | 1244 | 15 | 571 | 105.8 | 9 | 24 | 16.1 | 16.5 | 35.6 | 35.9 |
| 61 | 28 | 33°06.5' | 78°26.2' | 1408 | 15 | 101 | 13.3 | 5 | 26 | 16.7 | 16.7 | 35.8 | 35.9 |
| 62 | 28 | 32°58.6' | 78°19.0' | 1528 | 15 | 1,786 | 212.5 | 8 | 33 | 17.5 | 17.5 | 36.0 | 36.1 |
| 63 | 28 | 32°50.0' | 78°10.7' | 1658 | 15 | 42 | 3.0 | 13 | 140 | 18.2 | 15.8 | 36.4 | * |
| 64 | 29 | 34°38.0' | 77°04.5' | 0400 | 15 | 63 | 24.9 | 14 | 15 | 12.2 | 12.2 | 34.5 | 34.8 |
| 65 | 29 | 34°34.3' | 77°01.0' | 0506 | 7 | 35 | 10.7 | 8 | 18 | 13.4 | 13.6 | 35.8 | 35.9 |
| 66 | 29 | 34°30.0' | 76°57.2' | 0600 | 15 | 30 | 22.7 | 7 | 20 | 13.9 | 14.4 | 35.8 | 36.3 |
| 67 | 29 | 34°22.2' | 76°50.0' | 0718 | 7 | 104 | 15.5 | 9 | 23 | 14.1 | 14.1 | 36.1 | 36.0 |
| 68 | 29 | 34°14.2' | 76°42.8' | 0845 | 15 | 45 | 50.3 | 13 | 30 | 15.7 | 15.7 | 36.1 | 36.2 |
| 69 | 29 | 34°06.5' | 76°35.5' | 1001 | 15 | 4 | 2.7 | 2 | 37 | 16.7 | 16.7 | 36.5 | 36.3 |
| 70 | 29 | 33°56.5' | 76°25.5' | 1132 | 15 | 28 | 3.4 | 2 | 67 | 20.7 | 17.2 | 36.5 | 36.2 |
| 71 | 29 | 35°03.0' | 75°58.5' | 1740 | 15 | 191 | 78.8 | 10 | 15 | 10.2 | 10.3 | 31.1 | 31.4 |
| 72 | 29 | 34°59.0' | 75°54.5' | 1904 | 15 | 86 | 113.1 | 8 | 23 | 11.1 | 11.9 | 32.1 | 33.3 |
| 73 | 29 | 34°55.0' | 75°50.5' | 1954 | 15 | 24 | 31.0 | 5 | 26 | 10.9 | 11.6 | 32.4 | 32.9 |
| 74 | 29 | 34°47.2' | 75°43.0' | 2115 | 15 | 16 | 70.3 | 5 | 40 | 11.9 | 17.8 | 34.1 | 36.0 |
| 75 | 29 | 34°41.3' | 75°37.0' | 2230 | 15 | 16 | 8.6 | 5 | 155 | 20.6 | 15.8 | 36.5 | * |
| Del-72-15 | May | | | | | | | | | | | | |
| 1 | 16 | 35°47.5' | 75°29.5' | 1250 | 16 | 1,832 | 1,196.3 | 23 | 13 | 17.2 | 14.9 | 32.8 | 33.6 |
| 2 | 16 | 35°51.0' | 75°25.5' | 1522 | 15 | 17 | 34.8 | 6 | 22 | 18.0 | 10.1 | 29.1 | 32.2 |
| 3 | 16 | 35°52.5' | 75°10.6' | 1619 | 15 | 1 | 0.3 | 1 | 25 | 16.9 | 11.0 | 30.7 | 32.0 |
| 4 | 16 | 35°55.6' | 75°07.8' | 1803 | 15 | 1 | 0.2 | 1 | 32 | 17.5 | 9.8 | 31.4 | 29.3 |
| 5 | 16 | 35°58.0' | 74°58.0' | 1921 | 15 | 16 | 2.9 | 6 | 56 | 18.1 | 10.5 | 31.0 | 34.0 |
| 6 | 16 | 36°00.0' | 74°48.5' | 2045 | 15 | 28 | 1.8 | 2 | 134 | 15.5 | 11.6 | 31.9 | 33.9(50) |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 17 | 34°38.0' | 77°05.5' | 1150 | 15 | 391 | 47.5 | 14 | 16 | 20.0 | 18.9 | 34.9 | 35.1 |
| 8 | 17 | 34°34.0' | 77°01.0' | 1308 | 15 | 222 | 18.9 | 15 | 17 | 21.0 | 18.7 | 34.9 | 35.3 |
| 9 | 17 | 34°30.0' | 76°57.2' | 1417 | 15 | 87 | 12.8 | 16 | 20 | 20.2 | 18.7 | 35.3 | 35.6 |
| 10 | 17 | 34°22.3' | 76°50.0' | 1547 | Trawl hung and catch lost | | | | 26 | 22.7 | 20.2 | 35.7 | 35.7 |
| 11 | 17 | 34°14.4' | 76°42.6' | 1749 | 15 | 36 | 6.2 | 10 | 33 | 22.3 | 22.1 | 35.2 | 36.0 |
| 12 | 17 | 34°06.4' | 76°35.5' | 1925 | 15 | 6 | 1.9 | 4 | 38 | 24.0 | 23.3 | 36.4 | 36.2 |
| 13 | 17 | 33°55.0' | 76°24.5' | 2120 | 15 | 7 | 1.8 | 4 | 152 | 24.3 | 16.2 | 36.3 | 36.1(50) |
| 14 | 18 | 32°50.0' | 78°10.7' | 0740 | 15 | 28 | 1.5 | 6 | 147 | 25.8 | 18.0 | 35.4 | 36.4(50) |
| 15 | 18 | 32°58.5' | 78°19.0' | 0928 | 15 | 299 | 32.9 | 8 | 35 | 23.2 | 22.8 | 36.1 | 36.1 |
| 16 | 18 | 33°06.5' | 78°26.5' | 1045 | 15 | 16 | 123.5 | 5 | 30 | 21.5 | 21.1 | 35.6 | 35.8 |
| 17 | 18 | 33°14.5' | 78°34.0' | 1211 | 15 | 5,268 | 717.3 | 24 | 24 | 21.0 | 20.5 | 35.0 | 35.4 |
| 18 | 18 | 33°22.1' | 78°41.0' | 1424 | 15 | 281 | 187.5 | 7 | 18 | 22.2 | 21.1 | 33.9 | 34.6 |
| 19 | 18 | 33°30.0' | 78°48.5' | 1551 | 15 | 49 | 450.7 | 9 | 16 | 22.7 | 20.0 | 33.3 | 34.0 |
| 20 | 18 | 33°34.0' | 78°52.0' | 1700 | 15 | 48 | 256.5 | 8 | 11 | 22.7 | 20.7 | 33.0 | 33.8 |
| 21 | 18 | 33°38.0' | 78°55.5' | 1815 | 15 | 119 | 16.6 | 16 | 8 | 23.1 | 21.2 | 33.2 | 33.6 |
| 22 | 19 | 31°38.0' | 79°33.5' | 0531 | 15 | 47 | 4.6 | 6 | 142 | 24.3 | 20.6 | 36.3 | 36.3(50) |
| 23 | 19 | 31°43.0' | 79°43.0' | 0716 | 15 | 3 | 1.1 | 2 | 52 | 23.8 | 22.2 | 36.3 | 36.2 |
| 24 | 19 | 31°49.5' | 79°52.5' | 0854 | 15 | 9 | 2.4 | 7 | 40 | 22.0 | 21.7 | 35.8 | 36.0 |
| 25 | 19 | 31°56.0' | 80°02.0' | 1007 | 15 | 11 | 4.8 | 6 | 29 | 21.7 | 21.6 | 35.1 | 35.6 |
| 26 | 19 | 32°02.5' | 80°11.0' | 1117 | 15 | 11 | 7.6 | 2 | 22 | 21.6 | 21.6 | 35.1 | 35.1 |
| 27 | 19 | 32°08.5' | 80°20.5' | 1242 | 15 | 17 | 4.6 | 8 | 21 | 21.6 | 21.5 | 34.2 | 34.2 |
| 28 | 19 | 32°11.8' | 80°25.1' | 1315 | 15 | 141 | 4.1 | 5 | 18 | 21.9 | 21.8 | 33.4 | 33.5 |
| 29 | 19 | 32°14.5' | 80°29.5' | 1500 | 15 | 53 | 3.2 | 12 | 10 | 23.0 | 23.5 | 32.4 | 32.5 |
| 30 | 20 | 30°22.5' | 80°11.2' | 0028 | 15 | 133 | 8.3 | 12 | 145 | 25.1 | 15.0 | 36.1 | 36.0(50) |
| 31 | 20 | 30°23.3' | 80°24.4' | 0310 | 15 | 208 | 26.2 | 27 | 41 | 25.4 | 22.7 | 36.0 | 36.1 |
| 32 | 20 | 30°24.5' | 80°36.0' | 0505 | 15 | 35 | 10.4 | 8 | 36 | 23.1 | 22.4 | 35.9 | 35.8 |
| 33 | 20 | 30°26.0' | 80°47.5' | 0637 | 15 | 36 | 13.0 | 9 | 31 | 22.8 | 22.3 | 35.5 | 35.4 |
| 34 | 20 | 30°27.0' | 80°59.0' | 0800 | 15 | 10 | 3.3 | 4 | 25 | 22.7 | 22.6 | 34.5 | 34.6 |
| 35 | 20 | 30°28.5' | 81°10.0' | 0923 | 15 | 19 | 7.0 | 3 | 19 | 23.0 | 23.0 | 34.2 | 34.1 |
| 36 | 20 | 30°29.0' | 81°16.0' | 1006 | 15 | 358 | 183.9 | 10 | 19 | 23.3 | 22.3 | 33.2 | 33.4 |
| 37 | 20 | 30°30.0' | 81°22.0' | 1111 | 15 | 219 | 19.2 | 13 | 15 | 24.0 | 23.9 | 32.5 | 32.6 |
| 38 | 20 | 29°00.0' | 80°05.0' | 2134 | 15 | 13 | 1.4 | 6 | 140 | 27.6 | 16.0 | 36.3 | 36.2(40) |
| 39 | 20 | 28°59.0' | 80°13.0' | 2252 | 15 | 43 | 3.2 | 12 | 56 | 25.2 | 23.1 | 36.1 | 36.1 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | 21 | 28°57.0' | 80°24.5' | 0035 | 15 | 76 | 142.2 | 19 | 24 | 23.9 | 23.8 | 35.4 | 35.4 |
| 41 | 21 | 28°55.0' | 80°35.8' | 0200 | 15 | 51 | 5.9 | 16 | 22 | 24.0 | 24.0 | 35.2 | 35.5 |
| 42 | 21 | 28°54.1' | 80°41.5' | 0318 | 15 | 57 | 7.1 | 11 | 20 | 24.2 | 24.2 | 35.2 | 35.3 |
| 43 | 21 | 28°53.0' | 80°47.0' | 0444 | 15 | 3 | 0.8 | 3 | 11 | 24.5 | 24.5 | 35.2 | 35.1 |
| 44 | 21 | 29°40.0' | 81°12.0' | 0958 | 15 | 268 | 20.3 | 13 | 14 | 24.2 | 24.2 | 33.9 | 33.7 |
| 45 | 21 | 29°40.0' | 81°06.3' | 1103 | 15 | 134 | 10.0 | 12 | 20 | 24.1 | 23.8 | 33.9 | 33.9 |
| 46 | 21 | 29°41.0' | 81°01.0' | 1205 | 15 | 41 | 70.4 | 8 | 19 | 24.0 | 23.5 | 33.9 | 34.0 |
| 47 | 21 | 29°42.2' | 80°49.4' | 1350 | 15 | 33 | 119.6 | 10 | 28 | 23.6 | 23.2 | 34.5 | 34.7 |
| 48 | 21 | 29°43.4' | 80°37.9' | 1523 | 15 | 60 | 10.8 | 6 | 32 | 24.0 | 22.5 | 35.6 | 35.5 |
| 49 | 21 | 29°44.5' | 80°26.5' | 1714 | 15 | 46 | 14.7 | 12 | 42 | 25.5 | 22.5 | 35.9 | 35.7 |
| 50 | 21 | 29°45.6' | 80°15.0' | 1908 | 15 | 19 | 1.2 | 8 | 148 | 24.8 | 15.7 | 36.1 | 35.9(50) |
| 51 | 22 | 30°59.3' | 79°56.7' | 0153 | 15 | 31 | 0.7 | 3 | 140 | 25.0 | 9.5 | 36.0 | 35.8(50) |
| 52 | 22 | 31°05.3' | 80°14.2' | 0412 | 15 | 25 | 8.1 | 10 | 42 | 25.9 | 22.8 | 31.9 | 35.9 |
| 53 | 22 | 31°09.0' | 80°25.0' | 0545 | 15 | 18 | 8.2 | 8 | 32 | 23.1 | 21.8 | 36.1 | 35.3 |
| 54 | 22 | 31°13.0' | 80°36.0' | 0727 | 15 | 11 | 4.7 | 5 | 27 | 22.1 | 22.0 | 34.7 | 34.7 |
| 55 | 22 | 31°16.5' | 80°47.2' | 0855 | 15 | 42 | 6.6 | 11 | 22 | 22.3 | 22.1 | 33.6 | 33.8 |
| 56 | 22 | 31°20.5' | 80°58.2' | 1020 | 15 | 14 | 1.0 | 4 | 16 | 22.9 | 22.9 | 31.8 | 32.2 |
| 57 | 22 | 31°22.3' | 81°03.5' | 1124 | 15 | 69 | 3.3 | 7 | 15 | 23.6 | 23.5 | 30.7 | 30.8 |
| 58 | 22 | 31°24.2' | 81°08.8' | 1304 | 15 | 118 | 7.1 | 14 | 8 | 23.7 | 23.5 | 29.1 | 29.6 |
| 59 | 22 | 32°49.0' | 79°39.3' | 2336 | 15 | 193 | 6.4 | 16 | 9 | 22.6 | 22.3 | 33.1 | 33.2 |
| 60 | 23 | 32°46.0' | 79°34.8' | 0030 | 15 | 158 | 11.1 | 18 | 14 | 22.1 | 22.0 | 33.8 | 33.8 |
| 61 | 23 | 32°43.0' | 79°30.0' | 0131 | 15 | 41 | 6.5 | 14 | 17 | 22.1 | 21.4 | 33.9 | 34.0 |
| 62 | 23 | 32°36.7' | 79°20.8' | 0304 | 15 | 25 | 7.6 | 12 | 22 | 21.2 | 21.1 | 34.7 | 34.6 |
| 63 | 23 | 32°30.5' | 79°11.5' | 0433 | 15 | 68 | 91.0 | 14 | 36 | 22.9 | 21.7 | 35.1 | 35.4 |
| 64 | 23 | 32°24.4' | 79°02.5' | 0608 | 15 | 40 | 6.5 | 15 | 49 | 25.5 | 22.7 | 35.9 | 35.8 |
| 65 | 23 | 32°18.5' | 78°55.0' | 0741 | 15 | 137 | 4.7 | 11 | 140 | 25.5 | 16.4 | 35.9 | 35.9(50) |
| 66 | 23 | 33°59.0' | 77°53.0' | 2027 | 15 | 384 | 23.0 | 15 | 12 | 20.7 | 20.7 | 34.3 | 34.3 |
| 67 | 23 | 33°54.8' | 77°50.0' | 2134 | 15 | 417 | 62.4 | 21 | 16 | 20.5 | 20.5 | 34.5 | 34.4 |
| 68 | 23 | 33°51.0' | 77°46.0' | 2248 | 15 | 199 | 19.0 | 22 | 18 | 20.4 | 20.4 | 34.6 | 34.5 |

Appendix Table 1.--Continued.

| Cruise stn. | Date | Location Lat.(N) | Location Long.(W) | Start time | Duration (min) | Total catch No. | Total catch Wt.(kg) | No.spp. caught | Depth (m) | Temp.(°C) Surface | Temp.(°C) Bottom | Salinity (‰) Surface | Salinity (‰) Bottom** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | 24 | 33°43.0' | 77°39.0' | 0031 | 15 | 735 | 80.1 | 23 | 25 | 20.5 | 20.5 | 35.1 | 35.1 |
| 70 | 24 | 33°35.0' | 77°31.5' | 0213 | 15 | 1,701 | 156.8 | 15 | 25 | 24.4 | 21.2 | 35.8 | 35.2 |
| 71 | 24 | 33°27.5' | 77°24.0' | 0359 | 15 | 1,219 | 110.8 | 24 | 32 | 24.5 | 23.5 | 35.4 | 35.8 |
| 72 | 24 | 33°16.0' | 77°13.0' | 0622 | 15 | 24 | 1.7 | 10 | 120 | 24.5 | 16.9 | 35.7 | 35.8(50) |
| 73 | 24 | 34°40.0' | 75°36.5' | 1820 | 15 | 10 | 0.4 | 5 | 142 | 25.4 | 17.9 | 35.7 | 35.9(50) |
| 74 | 24 | 34°46.0' | 75°43.0' | 1956 | 15 | 96 | 2.3 | 6 | 44 | 24.3 | 20.9 | 35.7 | 35.6 |
| 75 | 24 | 34°55.0' | 75°50.7' | 2109 | 15 | 33 | 0.3 | 2 | 26 | 24.5 | 22.2 | 35.6 | 35.5 |
| 76 | 24 | 34°59.0' | 75°54.6' | 2220 | 15 | 225 | 78.6 | 10 | 26 | 18.5 | 21.5 | 30.6 | 35.0 |
| 77 | 24 | 35°01.5' | 76°00.0' | 2316 | 15 | 193 | 32.3 | 16 | 17 | 18.0 | 20.5 | 27.9 | 30.5 |



*Data not recorded.
+Data recorded only for selected species.
**Figure in parenthesis indicates greatest depth in meters where salinity was measured if not at the bottom.

Appendix Table 2.--List of fishes collected, arranged according to Bailey et al. (1970), including a summary of location and catch. An asterisk (*) indicates data not recorded and a plus sign (+) indicates a weight less than 0.1 kg.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | ODONTASPIDIDAE | | | |
| | *Odontaspis taurus*, sand tiger | | | |
| Del-71-3 | 1 | 1 | 7.7 | 118 |
| Del-72-15 | 1 | 3 | 215.5 | 143-298 |
| | 20 | 2 | 170.1 | 205-230 |
| | CARCHARHINIDAE | | | |
| | *Carcharhinus limbatus*, blacktip shark | | | |
| Del-72-15 | 12 | 1 | 1.4 | 71 |
| | 69 | 1 | 3.9 | 93 |
| | *Carcharhinus milberti*, sandbar shark | | | |
| D-68-7 | 13 | 1 | * | 150 |
| D-69-9 | 8 | 1 | * | 97 |
| | 48 | 1 | * | * |
| | 60 | 3 | * | * |
| D-69-15 | 36 | 1 | * | 102 |
| D-69-23 | 18 | 1 | * | 100 |
| D-70-16 | 7 | 1 | 29.5 | 200 |
| Del-71-3 | 2 | 1 | 2.5 | 72 |
| | 4 | 1 | 6.6 | 96 |
| | 62 | 1 | 1.7 | 69 |
| Del-72-8 | 45 | 1 | 56.7 | 178 |
| | 56 | 1 | 1.6 | 66 |
| | *Carcharhinus obscurus*, dusky shark | | | |
| D-70-19 | 33 | 1 | 6.8 | * |
| | *Carcharhinus obscurus*--Cont. | | | |
| Del-72-15 | 1 | 1 | 9.1 | 80 |
| | 12 | 1 | 0.1 | 26 |
| | 32 | 1 | 0.2 | 25 |
| | 66 | 1 | 5.9 | 104 |
| | *Mustelus canis*, smooth dogfish | | | |
| D-68-7 | 1 | 1 | * | * |
| | 2 | 11 | * | * |
| | 3 | 2 | * | * |
| | 20 | 1 | * | * |
| D-69-9 | 2 | 20 | * | * |
| | 11 | 4 | * | * |
| | 13 | 1 | * | * |
| | 15 | * | * | * |
| | 16 | 2 | * | * |
| | 17 | 2 | * | * |
| | 18 | 5 | * | * |
| | 19 | 2 | * | * |
| | 20 | 5 | * | * |
| | 21 | 1 | * | * |
| | 23 | 3 | * | * |
| | 24 | 20 | * | * |
| | 27 | 6 | * | * |
| | 29 | 1 | * | * |
| | 30 | 4 | * | * |
| | 31 | 4 | * | * |
| | 32 | 1 | * | * |
| | 33 | 5 | * | * |
| | 34 | 4 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) | Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|---|---|---|---|---|
| | *Mustelus canis*--Cont. | | | | | *Mustelus canis*--Cont. | | | |
| | 35 | 12 | * | * | | 37 | 11 | * | * |
| | 36 | 4 | * | * | | 38 | 12 | * | * |
| | 37 | 15 | * | * | | 39 | 1 | * | * |
| | 38 | 10 | * | * | | 40 | 5 | * | * |
| | 39 | 18 | * | * | | 46 | 6 | * | * |
| | 40 | 12 | * | * | | 48 | 1 | * | * |
| | 41 | 10 | * | * | | 49 | 1 | * | * |
| | 42 | 6 | * | * | | 56 | 2 | * | * |
| | 43 | 1 | * | * | | 57 | 1 | * | * |
| | 45 | 1 | * | * | | 58 | 2 | * | * |
| | 46 | 6 | * | * | | 59 | 2 | * | * |
| | 50 | 2 | * | * | | 61 | 52 | * | * |
| | 51 | 5 | * | * | | 62 | 11 | * | * |
| | 54 | 5 | * | * | | 68 | 12 | * | * |
| | 57 | 5 | * | * | | 69 | 4 | * | * |
| | 62 | 1 | * | * | | 70 | 5 | * | * |
| | 63 | 1 | * | * | D-69-21 | 2 | 34 | * | * |
| | 64 | 6 | * | * | | 3 | 10 | * | * |
| | 65 | 2 | * | 70 | | 4 | 1 | * | * |
| D-69-15 | 11 | 1 | * | 32 | D-69-23 | 4 | * | * | * |
| | 12 | 3 | * | * | | 18 | 1 | * | 40 |
| | 13 | 4 | * | 35 | | 27 | 1 | * | * |
| | 14 | 2 | * | * | | 28 | 1 | * | * |
| | 22 | 9 | * | * | | 29 | 5 | * | * |
| | 23 | 22 | * | * | | 31 | 4 | * | 70-120 |
| | 26 | 6 | * | * | | 32 | 8 | * | * |
| | 27 | 2 | * | * | | 33 | 7 | * | * |
| | 28 | 3 | * | * | | 34 | 7 | * | * |
| | 29 | 18 | * | * | | 35 | 5 | * | * |
| | 30 | 3 | * | * | | 41 | 3 | * | * |
| | 35 | 3 | * | * | | 42 | 1 | * | * |
| | 36 | 2 | * | * | | 45 | 5 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Mustelus canis--Cont. | | |
| D-69-25 | 3 | 2 | * | * |
| | 4 | 1 | * | * |
| | 5 | 4 | * | * |
| | 6 | 2 | * | * |
| | 7 | 1 | * | * |
| | 11 | 6 | * | * |
| | 12 | 4 | * | * |
| | 13 | 1 | * | * |
| D-69-29 | 5 | 1 | * | * |
| D-70-7 | 1 | 1 | 0.9 | * |
| D-70-16 | 2 | 1 | 1.1 | 25 |
| | 3 | 4 | 3.2 | * |
| | 6 | 8 | 7.3 | * |
| | 7 | 6 | 6.8 | * |
| | 9 | 16 | 3.6 | * |
| | 10 | 3 | 0.2 | * |
| | 11 | 1 | 1.1 | * |
| | 12 | 9 | 3.6 | * |
| | 13 | 7 | 2.7 | * |
| | 14 | 30 | 41.3 | * |
| | 16 | 1 | 0.5 | * |
| | 17 | 8 | 3.6 | * |
| | 18 | 2 | 0.9 | * |
| | 21 | 7 | 10.0 | * |
| | 22 | 1 | 1.4 | * |
| | 24 | 1 | 0.5 | * |
| | 27 | 4 | 8.2 | * |
| | 28 | 7 | 8.2 | * |
| | 29 | 14 | 13.2 | * |
| | 30 | 7 | 8.6 | * |
| | 34 | 5 | 4.5 | * |
| | 35 | 9 | 8.2 | * |
| | 36 | 3 | 2.7 | * |
| | 39 | 3 | 2.0 | * |
| D-70-19 | 1 | 3 | 2.3 | 57-67 |
| | 2 | 2 | 1.3 | 55-58 |
| | 6 | 2 | 8.2 | 83-110 |
| | 9 | 16 | 20.4 | * |
| | 10 | 11 | 2.9 | 31-67 |
| | 13 | 14 | 29.9 | 63-102 |
| | 14 | 1 | 1.1 | 74 |
| | 15 | 1 | 0.7 | 64 |
| | 16 | 2 | 1.4 | 63-65 |
| | 17 | 3 | 2.5 | 59-67 |
| | 18 | 9 | 7.3 | 37-83 |
| | 19 | 1 | 0.9 | 65 |
| | 20 | 2 | 2.0 | 65-70 |
| | 23 | 1 | 0.6 | 62 |
| | 24 | 1 | 1.0 | 69 |
| | 30 | 4 | 5.9 | 65-85 |
| | 32 | 6 | 6.8 | 62-98 |
| | 39 | 3 | 5.9 | 67-97 |
| | 40 | 5 | 4.5 | 61-69 |
| D-71-3 | 7 | 1 | 0.5 | 60 |
| | 8 | 1 | 0.2 | 55 |
| | 10 | 30 | 29.9 | 53-99 |
| | 14 | 2 | 1.2 | 53-57 |
| | 16 | 1 | 1.2 | 74 |
| | 26 | 1 | 0.6 | 55 |
| | 35 | 3 | 7.3 | 50-100 |
| | 37 | 1 | 2.9 | 100 |
| | 38 | 1 | 1.8 | 90 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Mustelus canis*--Cont. | | | |
| D-71-11 | 4 | 16 | 13.2 | 52-77 |
| | 5 | 3 | 2.3 | 58-71 |
| | 6 | 18 | 23.1 | 66-91 |
| | 7 | 29 | 29.5 | 56-82 |
| | 8 | 47 | 29.9 | 51-73 |
| | 9 | 5 | 28.3 | 110-120 |
| | 11 | 1 | 0.6 | 58 |
| | 46 | 15 | 3.9 | 34-71 |
| | 47 | 23 | 14.5 | 30-140 |
| | 48 | 15 | 21.3 | 57-98 |
| D-71-14 | 3 | 1 | 1.4 | 91 |
| | 6 | 7 | 2.9 | 42-66 |
| | 17 | 4 | 3.4 | 60-70 |
| | 18 | 8 | 4.5 | 37-110 |
| | 19 | 5 | 6.4 | 45-115 |
| | 25 | 1 | 0.9 | 66 |
| | 26 | 5 | 3.2 | 54-60 |
| | 34 | 11 | 21.8 | 82-100 |
| Del-71-2 | 1 | 7 | 7.9 | 51-77 |
| | 2 | 24 | 41.3 | 63-90 |
| | 3 | 17 | 23.1 | 67-120 |
| | 4 | 3 | 7.3 | 83-91 |
| | 7 | 1 | 4.1 | 103 |
| Del-71-3 | 1 | 1 | 0.6 | 52 |
| | 2 | 1 | 5.4 | 128 |
| | 3 | 9 | 34.9 | 81-108 |
| | 4 | 6 | 33.1 | 73-128 |
| | 5 | 8 | 22.3 | 55-112 |
| | 6 | 3 | 9.1 | 55-103 |
| | 51 | 3 | 15.0 | 50-118 |
| | 62 | 10 | 56.7 | 50-120 |
| | 63 | 4 | 22.7 | 102-121 |
| | 65 | 1 | 0.2 | 52 |
| | 67 | 1 | 0.7 | 57 |
| | 68 | 10 | 20.4 | 50-112 |
| Del-72-8 | 4 | 4 | 15.4 | 47-120 |
| | 5 | 156 | 271.3 | 52-110 |
| | 9 | 2 | 12.0 | 102-122 |
| | 12 | 5 | 4.5 | 56-70 |
| | 13 | 2 | 9.2 | 59-102 |
| | 14 | 5 | 9.5 | 63-125 |
| | 15 | 1 | 0.9 | 66 |
| | 48 | 1 | 8.6 | 123 |
| | 57 | 7 | 22.5 | 60-128 |
| | 58 | 2 | 15.0 | 107-123 |
| | 64 | 4 | 3.6 | 59-72 |
| | 66 | 3 | 8.2 | 88-100 |
| | 67 | 1 | 5.9 | 113 |
| | 71 | 9 | 19.5 | 58-99 |
| | 72 | 54 | 107.0 | 55-105 |
| | 73 | 13 | 26.8 | 72-108 |
| Del-72-15 | 1 | 2 | 0.5 | 36-37 |
| | 2 | 1 | 6.8 | 110 |
| | 5 | 2 | 1.1 | 51-54 |
| | *Carcharhinid* sp. | | | |
| D-71-11 | 27 | 1 | 3.5 | 89 |
| | 31 | 2 | 1.2 | 45-54 |
| | SPHYRNIDAE | | | |
| | *Sphyrna lewini*, scalloped hammerhead | | | |
| Del-72-8 | 34 | 1 | 6.4 | 118 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Sphyrna tiburo, bonnethead | | |
| D-71-3 | 34 | 1 | 1.8 | 84 |
| | | SQUALIDAE | | |
| | | Squalus acanthias, spiny dogfish | | |
| D-69-9 | 1 | 9 | * | 61-76 |
| | 2 | 29 | * | * |
| | 3 | * | * | * |
| | 4 | 14 | * | * |
| | 5 | 1 | * | * |
| | 14 | 12 | * | * |
| | 16 | 2 | * | * |
| | 22 | 3 | * | * |
| | 30 | 1 | * | * |
| | 31 | 1 | * | * |
| | 32 | 1 | * | * |
| | 34 | 2 | * | * |
| | 65 | 7 | * | 60-70 |
| | 66 | 2 | * | * |
| | 67 | 36 | * | * |
| | 69 | 5 | * | * |
| D-69-25 | 5 | 34 | * | * |
| | 6 | 12 | * | * |
| | 7 | 43 | * | * |
| | 8 | 18 | * | * |
| | 10 | 1 | * | * |
| D-70-7 | 3 | 6 | 3.6 | * |
| | 4 | 8 | 5.0 | * |
| D-70-19 | 28 | 1 | 0.1 | 28 |
| D-71-3 | 2 | 6 | 24.5 | 87-94 |
| | 3 | 7 | 23.4 | 82-92 |
| | 4 | 8 | 27.2 | 79-88 |
| | 8 | 6 | 18.1 | 72-91 |
| | 9 | 1 | 2.6 | 77 |
| | 14 | 1 | 0.9 | 64 |
| | 15 | 5 | 8.4 | 70-79 |
| | 16 | 6 | 13.6 | 61-83 |
| | 19 | 3 | 7.7 | 74-82 |
| | 22 | 10 | 19.5 | 65-81 |
| | 23 | 4 | 7.3 | 71-77 |
| | 24 | 1 | 1.6 | 70 |
| | 36 | 1 | 1.8 | 87 |
| | 38 | 1 | 2.7 | 100 |
| | 39 | 21 | 76.2 | 80-100 |
| | 40 | 1 | 3.6 | 85 |
| D-71-14 | 21 | 1 | 0.1 | 30 |
| Del-71-2 | 4 | 27 | 44.5 | 67-89 |
| | 5 | 22 | 42.6 | 56-85 |
| | 6 | 21 | 34.0 | 62-99 |
| | 7 | 12 | 19.1 | 65-85 |
| | 8 | 69 | 77.1 | 53-81 |
| Del-71-3 | 65 | 23 | 43.1 | 54-88 |
| | 66 | 33 | 72.6 | 66-96 |
| | 67 | 13 | 24.9 | 67-85 |
| Del-72-8 | 1 | 2 | 6.8 | 89-91 |
| | 2 | 4 | 15.0 | 85-93 |
| | 3 | 15 | 43.5 | 71-96 |
| | 4 | 21 | 65.8 | 70-93 |
| | 5 | 4 | 12.2 | 85-94 |
| | 56 | 1 | 1.5 | 73 |
| | 64 | 5 | 11.3 | 73-82 |
| | 71 | 19 | 49.0 | 72-85 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | SQUATINIDAE | | |
| | | Squatina dumerili, Atlantic angel shark | | |
| D-69-9 | 8 | 6 | * | * |
| | 39 | 1 | * | * |
| | 50 | 3 | * | * |
| | 51 | 3 | * | * |
| | 55 | 1 | * | * |
| | 56 | 3 | * | 150-300 |
| | 57 | 1 | * | * |
| | 62 | 1 | * | * |
| D-69-15 | 10 | 1 | 9.1 | 108 |
| | 12 | 1 | * | * |
| | 13 | 2 | * | * |
| | 14 | 3 | * | 100 |
| | 24 | 8 | * | 89-112 |
| | 25 | 3 | * | * |
| | 41 | 1 | * | 100 |
| | 60 | 1 | * | 110 |
| D-69-21 | 3 | 1 | * | * |
| D-69-23 | 21 | 1 | * | * |
| | 23 | 1 | * | 50 |
| | 24 | 1 | * | 45 |
| | 29 | 1 | * | 110 |
| | 32 | 1 | * | 106 |
| D-70-16 | 5 | 5 | 36.3 | * |
| | 6 | 2 | 9.1 | * |
| | 9 | 2 | 9.1 | * |
| D-70-19 | 10 | 3 | 54.4 | * |
| | 12 | 2 | 22.7 | 110 |
| D-71-11 | 10 | 1 | 8.2 | 100 |
| | 47 | 1 | 11.3 | 120 |
| | 48 | 3 | 61.2 | 80-120 |
| | | Squatina dumerili--Cont. | | |
| Del-71-3 | 1 | 2 | 22.7 | 112-113 |
| | 59 | 1 | 18.1 | 117 |
| | 60 | 2 | 29.0 | 113-114 |
| | 61 | 1 | 13.6 | 112 |
| | 64 | 2 | 0.9 | 40-41 |
| Del-72-8 | 5 | 1 | 0.6 | 41 |
| Del-72-15 | 1 | 6 | 39.5 | 112-121 |
| | | RHINOBATIDAE | | |
| | | Rhinobatos lentiginosus, Atlantic guitarfish | | |
| D-69-23 | 1 | * | * | * |
| Del-71-3 | 14 | 5 | 2.4 | 48-58 |
| | 32 | 1 | 0.5 | 59 |
| | 44 | 1 | 0.9 | 68 |
| | 51 | 1 | 0.8 | 64 |
| | 56 | 2 | 1.9 | 66-69 |
| Del-72-8 | 17 | 1 | 0.8 | 59 |
| | 52 | 1 | 0.7 | 62 |
| | 60 | 4 | 3.2 | 61-66 |
| Del-72-15 | 21 | 1 | 1.4 | 80 |
| | 60 | 1 | 0.6 | 56 |
| | 71 | 1 | 1.1 | 73 |
| | | TORPEDINIDAE | | |
| | | Narcine brasiliensis, lesser electric ray | | |
| D-68-13 | 53 | 1 | * | * |
| D-71-3 | 32 | 12 | 4.8 | 23-36 |
| D-71-11 | 24 | 1 | 0.8 | 35 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | RAJIDAE | | |
| | | Raja eglanteria, clearnose skate | | |
| D-68-13 | 2 | 36 | 28.7 | * |
| | 3 | 19 | 16.8 | * |
| | 4 | 24 | 22.2 | * |
| | 11 | 5 | 1.8 | * |
| | 15 | 13 | 7.7 | * |
| | 26 | * | 7.3 | * |
| | 38 | * | * | * |
| | 41 | * | * | * |
| | 42 | * | * | * |
| | 43 | * | * | * |
| D-69-9 | 1 | 2 | * | * |
| | 3 | 4 | * | * |
| | 4 | 4 | * | * |
| | 5 | 19 | * | * |
| | 6 | 5 | * | * |
| | 7 | * | * | * |
| | 8 | 12 | * | * |
| | 9 | 6 | * | * |
| | 10 | 4 | * | * |
| | 11 | 12 | * | * |
| | 12 | 7 | * | * |
| | 13 | 8 | * | * |
| | 15 | 20 | * | * |
| | 16 | 11 | * | * |
| | 17 | 31 | * | * |
| | 18 | 50 | * | * |
| | 19 | 30 | * | * |
| | 20 | 14 | * | * |
| | 21 | 21 | * | * |
| | 22 | 98 | * | * |
| | 23 | 1 | * | * |
| | 24 | 25 | * | * |
| | 25 | 6 | * | * |
| | 26 | 54 | * | * |
| | 27 | 35 | * | * |
| | 28 | 24 | * | * |
| | 29 | 8 | * | * |
| | 30 | 20 | * | * |
| | 31 | 14 | * | * |
| | 32 | 16 | * | * |
| | 33 | 30 | * | * |
| | 34 | 30 | * | * |
| | 35 | 30 | * | * |
| | 36 | 75 | * | * |
| | 37 | 10 | * | * |
| | 38 | 20 | * | * |
| | 39 | 15 | * | * |
| | 40 | 6 | * | * |
| | 41 | 25 | * | * |
| | 42 | 12 | * | * |
| | 43 | 9 | * | * |
| | 46 | 15 | * | * |
| | 47 | 40 | * | * |
| | 48 | 20 | * | * |
| | 50 | 50 | * | * |
| | 51 | 40 | * | * |
| | 52 | 15 | * | * |
| | 53 | 18 | * | * |
| | 54 | 30 | * | * |
| | 55 | 12 | * | * |
| | 57 | 20 | * | * |
| | 62 | 11 | * | * |
| | 63 | 47 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) | Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|---|---|---|---|---|
| | Raja eglanteria--Cont. | | | | | Raja eglanteria--Cont. | | | |
| | 64 | 6 | * | * | | 46 | 2 | * | * |
| | 66 | 1 | * | * | | 47 | 5 | * | * |
| | 68 | 4 | * | * | | 48 | 5 | * | * |
| | 69 | 1 | * | * | | 49 | 14 | * | * |
| D-69-15 | 7 | 13 | * | 15-37 | | 50 | 27 | * | * |
| | 8 | 20 | * | 18-47 | | 51 | 9 | * | * |
| | 10 | 2 | * | * | | 52 | 6 | * | * |
| | 11 | 24 | * | * | | 53 | 5 | * | * |
| | 12 | 10 | * | * | | 54 | 35 | * | * |
| | 13 | 55 | * | * | | 55 | * | * | * |
| | 14 | 14 | * | * | | 56 | 36 | * | * |
| | 17 | 7 | * | * | | 57 | 48 | * | * |
| | 18 | 25 | * | * | | 58 | 10 | * | * |
| | 19 | * | * | * | | 59 | 20 | * | * |
| | 20 | 28 | * | * | | 60 | 10 | * | * |
| | 21 | 8 | * | * | | 61 | 1 | * | * |
| | 22 | 7 | * | * | | 62 | 11 | * | * |
| | 23 | 37 | * | * | | 63 | 28 | * | * |
| | 24 | 35 | * | * | | 64 | 18 | * | * |
| | 25 | 18 | * | * | | 66 | 5 | * | * |
| | 26 | 15 | * | * | | 67 | 12 | * | * |
| | 27 | 14 | * | * | | 68 | 1 | * | * |
| | 28 | 6 | * | * | | 69 | 3 | * | * |
| | 32 | 25 | * | * | | 70 | 78 | * | * |
| | 33 | 20 | * | * | D-69-21 | 1 | 25 | * | * |
| | 34 | 18 | * | * | | 2 | 32 | * | * |
| | 36 | 7 | * | * | | 3 | 42 | * | * |
| | 41 | 5 | * | * | | 4 | 3 | * | * |
| | 42 | 4 | * | * | D-69-23 | 1 | 6 | * | * |
| | 43 | 5 | * | * | | 3 | 1 | * | * |
| | 44 | 4 | * | * | | 6 | 1 | * | * |
| | 45 | 2 | * | * | | 11 | 1 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Raja eglanteria*--Cont. | | | |
| | 12 | 1 | * | * |
| | 16 | 1 | * | * |
| | 17 | 2 | * | * |
| | 18 | 2 | * | * |
| | 19 | 2 | * | * |
| | 20 | 2 | * | * |
| | 21 | 15 | * | * |
| | 22 | * | * | * |
| | 23 | 27 | * | * |
| | 24 | 4 | * | * |
| | 25 | 1 | * | * |
| | 26 | 2 | * | * |
| | 29 | 22 | * | * |
| | 30 | 2 | * | * |
| | 31 | 15 | * | * |
| | 32 | 8 | * | * |
| | 33 | 2 | * | * |
| | 34 | 8 | * | * |
| | 42 | 8 | * | * |
| | 43 | 14 | * | * |
| | 44 | 2 | * | * |
| D-69-25 | 1 | * | * | * |
| | 2 | 3 | * | * |
| | 3 | 2 | * | * |
| | 4 | 1 | * | * |
| | 5 | * | * | * |
| | 6 | 19 | * | * |
| | 7 | * | * | * |
| | 8 | 4 | * | * |
| | 10 | 1 | * | * |
| | 11 | 4 | * | * |
| | 12 | 3 | * | * |
| D-69-29 | 2 | 1 | * | 45 |
| | 6 | 2 | * | 35-50 |
| | 7 | 11 | * | 22-52 |
| | 8 | 7 | * | 37-55 |
| | 9 | 8 | * | * |
| | 10 | 12 | * | 22-25 |
| | 11 | 10 | * | 21-50 |
| | 12 | 6 | * | 24-56 |
| | 13 | 3 | * | 20-56 |
| | 15 | 4 | * | * |
| | 16 | 4 | * | * |
| | 18 | 10 | * | * |
| | 19 | 16 | * | * |
| | 20 | 7 | * | * |
| | 21 | 48 | * | * |
| | 22 | 17 | * | * |
| | 23 | 12 | * | * |
| | 24 | 22 | * | * |
| | 25 | 7 | * | * |
| | 26 | 1 | * | * |
| | 27 | 4 | * | * |
| D-70-7 | 1 | 2 | 1.4 | * |
| | 2 | 18 | 15.9 | * |
| | 3 | 4 | 1.4 | * |
| | 4 | 3 | 2.3 | * |
| D-70-16 | 1 | 11 | 1.6 | * |
| | 2 | 40 | 11.8 | * |
| | 3 | 40 | 16.3 | * |
| | 4 | 64 | 24.5 | * |
| | 5 | 53 | 45.4 | * |
| | 6 | 12 | 9.1 | * |
| | 8 | 1 | 0.1 | 39 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) | Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|---|---|---|---|---|
| | Raja eglanteria--Cont. | | | | | Raja eglanteria--Cont. | | | |
| | 9 | 23 | 22.7 | * | D-70-19 | 5 | 15 | 8.8 | 39-61 |
| | 10 | 16 | 14.5 | * | | 6 | 1 | 0.6 | 48 |
| | 11 | 36 | 26.3 | * | | 9 | 14 | 15.2 | * |
| | 12 | 13 | 5.7 | * | | 10 | 22 | 21.8 | 42-64 |
| | 13 | 8 | 3.0 | * | | 11 | 2 | 0.7 | 34-44 |
| | 14 | 22 | 25.4 | * | | 12 | 7 | 9.1 | 60-63 |
| | 15 | 2 | 1.8 | * | | 14 | 5 | 5.9 | 59-67 |
| | 16 | 3 | 2.5 | * | | 15 | 1 | 0.6 | 49 |
| | 17 | 3 | 2.7 | * | | 16 | 13 | 13.2 | 53-62 |
| | 18 | 6 | 4.3 | * | | 17 | 1 | 1.1 | 59 |
| | 19 | 27 | 18.6 | * | | 18 | 23 | 24.0 | 47-64 |
| | 20 | 9 | 2.5 | 31-40 | | 19 | 1 | 1.0 | 59 |
| | 21 | 15 | 7.7 | * | | 23 | 1 | 1.4 | 62 |
| | 22 | 22 | 7.1 | 26-44 | | 40 | 2 | 2.3 | 55-57 |
| | 23 | 32 | 11.8 | * | D-71-3 | 2 | 1 | 0.9 | 58 |
| | 24 | 47 | 13.8 | * | | 3 | 4 | 4.1 | 39-62 |
| | 25 | 25 | 6.6 | * | | 4 | 2 | 3.9 | 65-67 |
| | 26 | 40 | 16.3 | * | | 5 | 4 | 4.8 | 55-61 |
| | 27 | 21 | 8.2 | * | | 7 | 2 | 2.0 | 59 |
| | 28 | 6 | 3.0 | * | | 9 | 2 | 2.3 | 61-63 |
| | 29 | 38 | 18.8 | 31-46 | | 10 | 5 | 4.5 | 43-57 |
| | 30 | 24 | 9.8 | 37-42 | | 11 | 4 | 3.6 | 29-62 |
| | 31 | 38 | 12.5 | 29-48 | | 12 | 1 | 1.4 | 62 |
| | 32 | 15 | 4.1 | 32-46 | | 13 | 3 | 3.6 | 53-63 |
| | 33 | 3 | 1.4 | 33-38 | | 14 | 5 | 3.4 | 45-55 |
| | 34 | 45 | 19.5 | * | | 15 | 5 | 5.2 | 51-61 |
| | 35 | 51 | 22.7 | * | | 16 | 4 | 5.2 | 48-57 |
| | 36 | 4 | 1.2 | 31-43 | | 17 | 6 | 5.7 | 49-60 |
| | 37 | 17 | 5.7 | 33-43 | | 18 | 12 | 8.4 | 37-56 |
| | 38 | 27 | 7.5 | 27-45 | | 19 | 7 | 6.4 | 50-63 |
| | 39 | 2 | 1.1 | 35-36 | | 20 | 4 | 2.7 | 46-55 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Raja eglanteria*--Cont. | | | |
| | 21 | 1 | 1.0 | 51 |
| | 22 | 1 | 0.9 | 56 |
| | 25 | 3 | 1.1 | 37-44 |
| | 26 | 2 | 0.7 | 38-41 |
| | 28 | 1 | 0.2 | 34 |
| | 29 | 8 | 2.8 | 33-56 |
| | 30 | 4 | 3.4 | 48-54 |
| | 31 | 3 | 1.8 | 36-57 |
| | 32 | 3 | 0.8 | 35-40 |
| | 33 | 6 | 4.3 | 48-53 |
| | 34 | 1 | 0.7 | 50 |
| | 35 | 29 | 26.1 | 29-59 |
| | 36 | 12 | 10.0 | 30-58 |
| | 37 | 2 | 2.3 | 56-57 |
| | 38 | 1 | 1.1 | 51 |
| | 39 | 11 | 9.1 | 24-65 |
| D-71-11 | 7 | 3 | 3.4 | 58-65 |
| | 8 | 4 | 4.3 | 53-63 |
| | 9 | 12 | 11.1 | 42-63 |
| | 10 | 77 | 73.5 | 48-65 |
| | 11 | 4 | 4.5 | 56-63 |
| | 13 | 114 | 81.9 | 26-62 |
| | 14 | 11 | 8.2 | 28-63 |
| | 15 | 4 | 2.3 | 38-58 |
| | 16 | 6 | 5.0 | 36-63 |
| | 17 | 6 | 4.1 | 36-60 |
| | 18 | 1 | 0.7 | 45 |
| | 19 | 1 | 0.2 | 40 |
| | 32 | 1 | + | 15 |
| | 41 | 1 | 0.1 | 24 |
| | 42 | 5 | 4.1 | 48-57 |
| | 43 | 4 | 2.4 | 46-53 |
| | 45 | 4 | 2.3 | 40-52 |
| | 46 | 33 | 21.8 | 38-61 |
| | 47 | 73 | 60.3 | 45-61 |
| | 48 | 1 | 0.7 | 34 |
| D-71-14 | 7 | 2 | 1.8 | 53-56 |
| | 8 | 6 | 7.7 | 56-64 |
| | 16 | 2 | 1.8 | 43-60 |
| | 17 | 4 | 3.4 | 51-59 |
| | 18 | 144 | 111.1 | 39-63 |
| | 19 | 18 | 18.6 | 47-61 |
| | 26 | 1 | 1.0 | 53 |
| Del-71-3 | 1 | 1 | 1.5 | 64 |
| | 2 | 7 | 6.1 | 47-58 |
| | 3 | 4 | 4.5 | 54-61 |
| | 4 | 3 | 3.2 | 53-56 |
| | 5 | 9 | 11.3 | 53-67 |
| | 6 | 8 | 8.6 | 37-67 |
| | 7 | 7 | 5.9 | 21-58 |
| | 12 | 1 | 0.9 | 54 |
| | 13 | 1 | 0.6 | 50 |
| | 14 | 1 | 0.2 | 36 |
| | 15 | 1 | 0.6 | 47 |
| | 22 | 3 | 2.0 | 41-56 |
| | 24 | 1 | 0.7 | 49 |
| | 26 | 5 | 2.3 | 26-50 |
| | 35 | 4 | 1.9 | 29-52 |
| | 40 | 1 | 0.9 | 53 |
| | 42 | 1 | 0.7 | 48 |
| | 44 | 1 | 0.9 | 54 |
| | 47 | 2 | 0.2 | 27-34 |
| | 50 | 1 | 0.2 | 29 |
| | 52 | 7 | 2.8 | 23-49 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Raja eglanteria*--Cont. | | | |
| | 53 | 1 | 0.7 | 47 |
| | 54 | 3 | 2.7 | 51-53 |
| | 56 | 1 | 0.1 | 28 |
| | 58 | 1 | 0.1 | 24 |
| | 59 | 5 | 2.4 | 35-56 |
| | 60 | 20 | 20.9 | 44-68 |
| | 61 | 16 | 10.9 | 33-61 |
| | 62 | 11 | 5.9 | 35-57 |
| | 63 | 2 | 0.2 | 35-36 |
| | 65 | 1 | 1.0 | 58 |
| | 67 | 8 | 6.8 | 43-61 |
| | 68 | 5 | 5.9 | 46-66 |
| Del-72-8 | 1 | 4 | 5.4 | 51-62 |
| | 2 | 6 | 9.5 | 58-66 |
| | 3 | 10 | 7.7 | 46-58 |
| | 4 | 11 | 5.4 | 42-52 |
| | 11 | 3 | 3.4 | 54-56 |
| | 12 | 2 | 1.8 | 49-58 |
| | 13 | 5 | 5.0 | 52-57 |
| | 14 | 4 | 3.6 | 49-54 |
| | 15 | 6 | 3.4 | 33-49 |
| | 16 | 9 | 2.4 | 33-40 |
| | 20 | 1 | 0.9 | 50 |
| | 21 | 13 | 6.6 | 27-58 |
| | 22 | 9 | 5.4 | 37-58 |
| | 23 | 12 | 5.2 | 31-47 |
| | 25 | 2 | 1.6 | 49-59 |
| | 30 | 1 | 1.0 | 59 |
| | 35 | 4 | 1.0 | 34-44 |
| | 39 | 1 | 0.5 | 33 |
| | 40 | 2 | 0.9 | 40-43 |
| | 41 | 5 | 2.9 | 40-49 |
| | 42 | 2 | 1.4 | 53-56 |
| | 45 | 1 | 0.6 | 54 |
| | 48 | 1 | 0.7 | 50 |
| | 49 | 4 | 3.6 | 50-57 |
| | 50 | 3 | 1.8 | 41-51 |
| | 51 | 7 | 2.9 | 37-48 |
| | 52 | 4 | 2.5 | 48-52 |
| | 53 | 1 | 0.7 | 50 |
| | 56 | 4 | 4.1 | 50-58 |
| | 57 | 4 | 3.6 | 45-57 |
| | 58 | 3 | 3.2 | 52-58 |
| | 59 | 3 | 2.0 | 43-55 |
| | 60 | 4 | 1.4 | 29-49 |
| | 61 | 1 | 0.1 | 29 |
| | 64 | 3 | 2.8 | 43-62 |
| | 65 | 4 | 4.5 | 50-63 |
| | 66 | 11 | 10.9 | 41-64 |
| | 68 | 2 | 1.1 | 44-50 |
| | 71 | 1 | 0.8 | 53 |
| | 72 | 2 | 1.4 | 44-57 |
| | 73 | 3 | 3.2 | 31-67 |
| Del-72-15 | 1 | 119 | 110.2 | 40-65 |
| | 2 | 10 | 5.0 | 34-51 |
| | 7 | 8 | 6.1 | 41-60 |
| | 8 | 1 | 0.3 | 40 |
| | 9 | 1 | 0.9 | 55 |
| | 17 | 3 | 1.7 | 39-52 |
| | 19 | 5 | 5.0 | 51-58 |
| | 20 | 4 | 4.5 | 49-61 |
| | 21 | 2 | 0.8 | 42-44 |
| | 23 | 2 | 1.0 | 41-49 |
| | 24 | 1 | 0.9 | 55 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Raja eglanteria*--Cont. | | | |
| | 25 | 2 | 1.4 | 52-56 |
| | 31 | 1 | 0.3 | 40 |
| | 32 | 1 | 0.7 | 50 |
| | 33 | 1 | 0.5 | 46 |
| | 35 | 1 | 1.1 | 56 |
| | 39 | 6 | 1.1 | 31-40 |
| | 40 | 4 | 1.4 | 35-52 |
| | 47 | 1 | 0.7 | 48 |
| | 53 | 3 | 1.6 | 41-48 |
| | 54 | 2 | 1.2 | 47-50 |
| | 55 | 2 | 1.9 | 50-52 |
| | 59 | 2 | 2.3 | 57-58 |
| | 60 | 1 | 0.6 | 48 |
| | 61 | 2 | 1.4 | 46-55 |
| | 62 | 6 | 2.7 | 36-47 |
| | 66 | 1 | 0.8 | 51 |
| | 67 | 3 | 1.4 | 34-52 |
| | 68 | 9 | 4.3 | 34-57 |
| | 69 | 2 | 0.9 | 39-43 |
| | 70 | 3 | 2.3 | 39-56 |
| | 74 | 1 | 1.0 | 58 |
| | 77 | 33 | 18.1 | 35-65 |
| | *Raja erinacea*, little skate | | | |
| D-68-7 | 3 | 3 | * | * |
| | 6 | 1 | * | * |
| | 7 | 2 | * | * |
| | 8 | 1 | * | * |
| | 9 | 11 | * | * |
| | 10 | 2 | * | * |
| | 12 | 1 | * | * |
| | 13 | 2 | * | * |
| | 14 | 1 | * | * |
| | 19 | 2 | * | * |
| | 20 | 4 | * | * |
| | 21 | 14 | * | * |
| | 22 | 5 | * | * |
| | 23 | 2 | * | * |
| D-70-16 | 5 | 3 | 1.8 | 22-36 |
| D-70-19 | 1 | 1 | 0.2 | 41 |
| | 2 | 2 | 0.6 | 38-40 |
| | 3 | 31 | 10.9 | 24-45 |
| | 4 | 20 | 6.8 | 21-48 |
| | 8 | 1 | 0.5 | 46 |
| | 10 | 4 | 2.7 | 44-47 |
| | 12 | 8 | 5.0 | 45-47 |
| | 13 | 5 | 2.5 | 35-44 |
| | 20 | 11 | 6.6 | 42-47 |
| | 21 | 3 | 1.5 | 31-47 |
| | 22 | 4 | 1.0 | 30-39 |
| | 23 | 13 | 5.0 | 19-48 |
| | 24 | 99 | 35.8 | 26-45 |
| | 25 | 26 | 9.1 | 24-51 |
| | 26 | 19 | 6.6 | 27-47 |
| | 27 | 15 | 5.9 | 25-44 |
| | 28 | 25 | 7.9 | 27-44 |
| | 29 | 11 | 2.3 | 25-42 |
| | 30 | 1 | 0.2 | 40 |
| | 31 | 66 | 28.1 | 30-47 |
| | 32 | 19 | 8.2 | 31-43 |
| | 33 | 21 | 9.1 | 27-45 |
| | 34 | 8 | 3.6 | 27-49 |
| | 35 | 18 | 6.8 | 30-47 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | *Raja erinacea*--Cont. | | |
| | 36 | 17 | 6.4 | 38-44 |
| | 37 | 20 | 9.5 | 38-49 |
| | 38 | 1 | 1.6 | 43 |
| D-71-3 | 1 | 5 | 2.9 | 38-48 |
| | 40 | 9 | 5.0 | 41-49 |
| | 41 | 1 | 0.5 | 38 |
| D-71-11 | 1 | 3 | 1.5 | 40-48 |
| | 2 | 10 | 4.5 | 33-47 |
| | 3 | 16 | 5.7 | 28-45 |
| | 4 | 6 | 1.7 | 30-37 |
| | 5 | 3 | 1.0 | 30-45 |
| | 6 | 22 | 8.4 | 29-46 |
| | 12 | 3 | 1.0 | 35-47 |
| | 44 | 1 | 0.7 | 43 |
| | 49 | 17 | 4.8 | 21-52 |
| D-71-14 | 1 | 9 | 4.6 | 28-48 |
| | 2 | 74 | 30.4 | 31-48 |
| | 3 | 37 | 12.8 | 26-46 |
| | 4 | 12 | 5.7 | 21-47 |
| | 5 | 41 | 10.7 | 15-49 |
| | 6 | 12 | 2.9 | 19-47 |
| | 8 | 1 | 0.5 | 42 |
| | 9 | 4 | 2.0 | 42-44 |
| | 10 | 5 | 0.9 | 23-34 |
| | 11 | 13 | 2.5 | 19-46 |
| | 12 | 8 | 1.6 | 10-46 |
| | 13 | 12 | 2.9 | 22-46 |
| | 14 | 39 | 5.3 | 16-45 |
| | 15 | 6 | 1.1 | 24-35 |
| | 20 | 25 | 5.4 | 18-49 |
| | 21 | 33 | 6.5 | 17-47 |
| | 22 | 16 | 3.2 | 11-44 |
| | 23 | 12 | 5.0 | 28-48 |
| | 24 | 11 | 4.5 | 27-47 |
| | 28 | 19 | 5.9 | 24-46 |
| | 29 | 10 | 2.9 | 31-42 |
| | 30 | 9 | 3.3 | 30-46 |
| | 31 | 6 | 1.1 | 23-35 |
| | 32 | 18 | 11.3 | 25-50 |
| | 33 | 11 | 2.9 | 17-44 |
| | 34 | 34 | 10.0 | 28-49 |
| Del-71-2 | 1 | 1 | 0.6 | 41 |
| | 2 | 3 | 2.0 | 43-50 |
| | 4 | 21 | 7.9 | 29-48 |
| | 5 | 2 | 0.5 | 31-41 |
| | 6 | 4 | 0.9 | 31-35 |
| | 7 | 18 | 7.3 | 23-49 |
| | 8 | 2 | 0.8 | 23-49 |
| Del-71-3 | 65 | 3 | 1.7 | 45-50 |
| | 66 | 1 | 0.9 | 47 |
| | 67 | 10 | 5.4 | 34-48 |
| | 68 | 19 | 10.0 | 29-48 |
| | | *Raja garmani*, rosette skate | | |
| Del-71-3 | 11 | 22 | 2.0 | 23-29 |
| | 64 | 2 | 0.5 | 37 |
| Del-72-8 | 5 | 4 | 0.9 | 36-37 |
| | 6 | 21 | 1.7 | 20-36 |
| | 19 | 15 | 1.2 | 22-28 |
| | 27 | 2 | 0.2 | 30-31 |
| | 63 | 4 | 0.5 | 25-27 |
| | 75 | 2 | 0.1 | 28-29 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | *Raja garmani*--Cont. | | |
| Del-72-15 | 5 | 4 | 1.0 | 25-38 |
| | 13 | 1 | 0.1 | 27 |
| | 14 | 4 | 0.5 | 26-29 |
| | 50 | 1 | 0.1 | 31 |
| | 51 | 2 | 0.3 | 31 |
| | 52 | 1 | 0.1 | 31 |
| | 65 | 11 | 0.8 | 22-28 |
| | 72 | 2 | 0.2 | 27-28 |
| | | *Raja ocellata*, winter skate | | |
| D-71-3 | 2 | 1 | 4.1 | 50 |
| | | DASYATIDAE | | |
| | | *Dasyatis americana*, southern stingray | | |
| D-69-23 | 12 | 1 | 136.1 | * |
| | 13 | 1 | * | * |
| | 20 | 1 | * | * |
| D-71-3 | 18 | 1 | 8.2 | 53 |
| | 19 | 8 | 108.9 | 53-82 |
| | 23 | 4 | 6.8 | * |
| | 24 | 2 | 2.3 | 62-74 |
| | 28 | 4 | 3.6 | 46-50 |
| | 29 | 1 | 0.3 | 44 |
| | 35 | 5 | 2.5 | 50-60 |
| D-71-11 | 46 | 37 | 54.4 | 45-100 |
| | 47 | 39 | 56.7 | 35-70 |
| Del-71-3 | 22 | 1 | 2.3 | 96 |
| | 23 | 1 | 1.6 | 94 |
| | 48 | 1 | 2.7 | 123 |
| | | *Dasyatis americana*--Cont. | | |
| Del-72-8 | 17 | 2 | 204.1 | 247-320 |
| | 23 | 2 | 294.8 | 315-340 |
| | 42 | 1 | 90.7 | 272 |
| | 45 | 1 | 113.4 | 320 |
| | 60 | 1 | 15.9 | 153 |
| | 68 | 1 | 17.2 | 138 |
| | 74 | 9 | 58.5 | 89-194 |
| | 75 | 1 | 8.2 | 155 |
| Del-72-15 | 2 | 1 | 16.8 | 171 |
| | 16 | 1 | 113.4 | 330 |
| | 17 | 1 | 124.7 | 300 |
| | 18 | 2 | 170.1 | 254-300 |
| | 19 | 4 | 430.9 | 230-330 |
| | 20 | 1 | 79.4 | 293 |
| | 36 | 2 | 172.4 | 320-360 |
| | 40 | 1 | 124.7 | 320 |
| | 46 | 1 | 63.5 | 294 |
| | 47 | 1 | 113.4 | 325 |
| | 63 | 1 | 79.4 | 325 |
| | 76 | 2 | 68.0 | 126-150 |
| | | *Dasyatis centroura*, roughtail stingray | | |
| D-68-7 | 2 | 1 | * | * |
| D-69-9 | 35 | 1 | * | * |
| | 37 | 3 | 68.0 | * |
| | 38 | 2 | * | * |
| | 39 | 2 | * | * |
| | 41 | 1 | * | * |
| | 42 | 4 | * | * |
| | 43 | 2 | * | * |
| | 44 | 3 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Dasyatis centroura*--Cont. | | | |
| | 46 | 2 | * | * |
| | 48 | 1 | * | * |
| | 50 | 4 | * | * |
| | 52 | 2 | * | * |
| | 53 | 1 | * | * |
| | 54 | 1 | * | * |
| | 56 | 1 | 18.1 | * |
| | 57 | 3 | * | * |
| D-70-16 | 9 | 2 | 1.8 | * |
| D-70-19 | 9 | 1 | 2.3 | 106 |
| | 10 | 36 | 226.8 | * |
| | 29 | 1 | 24.9 | 200 |
| | 34 | 1 | 36.3 | * |
| D-71-3 | 29 | 1 | 158.8 | 300 |
| | 30 | 1 | 136.1 | * |
| D-71-11 | 8 | 1 | 15.9 | 120 |
| | 10 | 2 | 6.8 | 107-130 |
| | 26 | 1 | 136.1 | 450 |
| | 42 | 1 | 1.9 | 56 |
| D-71-14 | 6 | 1 | 5.4 | 102 |
| | 19 | 16 | 51.7 | 80-180 |
| | 24 | 1 | 11.3 | 185 |
| Del-71-3 | 4 | 2 | 6.4 | 112-114 |
| | 6 | 1 | 7.7 | 100 |
| | 7 | 1 | 34.5 | 193 |
| | 9 | 1 | 79.4 | 240 |
| | 29 | 1 | 204.1 | 352 |
| | 45 | 1 | 79.4 | 320 |
| | 46 | 1 | 102.1 | 330 |
| | 58 | 2 | 147.4 | 254-293 |
| | 64 | 10 | 92.5 | 84-170 |
| Del-72-15 | 1 | 154 | 680.4 | 100-194 |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Dasyatis sabina*, Atlantic stingray | | | |
| D-69-9 | 25 | 1 | * | * |
| | 33 | 1 | * | * |
| D-69-15 | 24 | 2 | * | * |
| | 25 | 4 | * | * |
| | 31 | 6 | 204.1 | * |
| | 37 | 1 | * | * |
| | 44 | 1 | * | * |
| | 46 | 1 | * | * |
| | 47 | 1 | * | * |
| | 50 | 1 | 22.7 | * |
| | 61 | 1 | * | * |
| | 63 | 1 | * | * |
| D-69-23 | 11 | 4 | * | * |
| | 27 | 1 | * | * |
| | 28 | 1 | * | * |
| | 38 | 1 | 20.4 | * |
| | 42 | 2 | 40.8 | * |
| D-69-29 | 15 | 1 | * | 43 |
| | 16 | 1 | * | * |
| | 22 | 1 | * | * |
| | 23 | 1 | * | * |
| D-71-11 | 13 | 1 | 1.6 | 81 |
| | *Dasyatis sayi*, bluntnose stingray | | | |
| D-68-13 | 2 | 5 | 3.3 | * |
| D-69-29 | 2 | 2 | * | * |
| | 3 | 1 | * | * |
| | 4 | 2 | * | 50-51 |
| | 6 | 1 | * | * |
| | 7 | 3 | * | 45-51 |
| | 8 | 5 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Dasyatis sayi*--Cont. | | | |
| | 9 | 5 | * | * |
| | 16 | 1 | * | * |
| | 23 | 5 | * | * |
| | 24 | 11 | * | * |
| | 25 | 1 | * | * |
| | 26 | 1 | * | * |
| | 27 | 4 | * | * |
| D-71-3 | 16 | 1 | 1.8 | 74 |
| D-71-11 | 36 | 1 | 0.5 | 44 |
| D-71-14 | 6 | 1 | 0.3 | 43 |
| Del-71-3 | 4 | 1 | 23.6 | 150 |
| | 7 | 23 | 205.9 | 42-193 |
| | 9 | 1 | 0.6 | 67 |
| | 22 | 3 | 1.4 | 47-50 |
| | 23 | 2 | 0.8 | 49-51 |
| | 24 | 2 | 0.9 | 43-55 |
| | 33 | 1 | 0.8 | 69 |
| | 48 | 2 | 1.1 | 48-49 |
| Del-72-8 | 11 | 1 | 15.9 | 140 |
| | 20 | 2 | 1.9 | 50-70 |
| | 34 | 3 | 1.8 | 51-54 |
| | 35 | 3 | 2.8 | 53-81 |
| | 40 | 1 | 0.6 | 52 |
| | 48 | 2 | 11.8 | 91-115 |
| | 68 | 1 | 14.5 | 136 |
| Del-72-15 | 1 | 20 | 40.8 | * |
| | 21 | 4 | 2.5 | 50-54 |
| | 44 | 2 | 2.7 | 69-76 |
| | 45 | 1 | 1.2 | 84 |
| | 60 | 2 | 1.5 | 49-74 |
| | 66 | 2 | 1.2 | 50-54 |
| | 77 | 1 | 0.7 | 51 |
| | *Gymnura altavela*, spiny butterfly ray | | | |
| D-69-9 | 7 | * | * | * |
| | 45 | 1 | * | * |
| | 58 | 190 | 1,360.8 | 60-164 |
| D-69-23 | 25 | 1 | * | * |
| D-69-29 | 22 | 1 | * | * |
| Del-71-3 | 42 | 1 | 0.6 | 27 |
| | 62 | 1 | 1.4 | 35 |
| Del-72-8 | 74 | 1 | 10.9 | 80 |
| | *Gymnura micrura*, smooth butterfly ray | | | |
| D-68-13 | 3 | 4 | * | * |
| D-69-9 | 25 | 1 | * | * |
| D-69-29 | 8 | 1 | * | 20 |
| | 11 | 1 | * | 35 |
| | 22 | 1 | * | * |
| Del-72-15 | 1 | 2 | 3.2 | 44-52 |
| | MYLIOBATIDAE | | | |
| | *Myliobatis freminvillei*, bullnose ray | | | |
| D-69-29 | 5 | 1 | * | 96 |
| D-70-19 | 9 | 2 | 19.5 | 135-157 |
| | 11 | 1 | 0.5 | 56 |
| D-71-3 | 27 | 4 | 22.7 | 70-71 |
| D-71-11 | 10 | 2 | 7.3 | 50-110 |
| | 46 | 17 | 27.2 | 35-80 |
| | 47 | 3 | 9.1 | 40-100 |
| D-71-14 | 6 | 1 | 2.7 | 100 |
| | 18 | 2 | 5.4 | 54-99 |
| | 19 | 18 | 64.0 | 49-146 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Myliobatis freminvillei*--Cont. | | | |
| Del-71-3 | 2 | 1 | 0.7 | 63 |
| | 8 | 2 | 1.4 | 63-67 |
| | 59 | 3 | 18.1 | 120-128 |
| | 64 | 1 | 18.1 | 153 |
| Del-72-8 | 16 | 2 | 1.1 | 50-55 |
| | 20 | 6 | 22.7 | 72-119 |
| | 21 | 8 | 6.8 | 47-79 |
| | 34 | 1 | 0.5 | 59 |
| | 40 | 2 | 2.0 | 68-80 |
| Del-72-15 | 7 | 1 | 6.4 | 99 |
| | *Myliobatis goodei*, southern eagle ray | | | |
| D-70-16 | 6 | 2 | 9.1 | * |
| | *Rhinoptera bonasus*, cownose ray | | | |
| D-69-9 | 59 | 2 | * | * |
| D-69-15 | 12 | 1 | * | * |
| | 13 | 8 | * | * |
| | 43 | 1 | * | * |
| D-69-23 | 18 | 4 | * | * |
| | 25 | 1 | * | * |
| Del-72-15 | 1 | 1 | 3.6 | 132 |
| | ACIPENSERIDAE | | | |
| | *Acipenser oxyrhynchus*, Atlantic sturgeon | | | |
| D-69-9 | 30 | 1 | * | 139 |
| | 65 | 1 | * | 121 |
| D-70-19 | 10 | 1 | 6.4 | 100 |
| Del-71-3 | 65 | 1 | 4.5 | 90 |
| | MURAENIDAE | | | |
| | *Gymnothorax moringa*, spotted moray | | | |
| Del-71-3 | 55 | 1 | 0.3 | 49 |
| | *Gymnothorax nigromarginatus*, blackedge moray | | | |
| Del-72-8 | 46 | 1 | 0.2 | 46 |
| | MURAENESOCIDAE | | | |
| | *Hoplunnis* sp. | | | |
| Del-72-15 | 30 | 4 | + | 24-34 |
| | CLUPEIDAE | | | |
| | *Alosa aestivalis*, blueback herring | | | |
| D-69-9 | 2 | 2 | * | 11-15 |
| | 3 | 1 | * | * |
| | 4 | 12 | * | * |
| D-69-15 | 68 | 1 | * | * |
| D-69-23 | 9 | 1 | * | 15 |
| | 10 | 13 | * | * |
| | 11 | 1 | * | 8 |
| | 16 | 1 | * | * |
| D-70-7 | 1 | 16 | 2.3 | * |
| D-70-16 | 34 | 1 | + | 16 |
| D-71-3 | 2 | 2 | + | 10-12 |
| | 6 | 1 | + | 9 |
| | 41 | 4 | 0.1 | 14-20 |
| D-71-14 | 1 | 1 | + | 12 |
| Del-72-8 | 1 | 5 | + | 8 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Alosa mediocris*, hickory shad | | | |
| D-71-3 | 7 | 3 | + | 12-13 |
| | *Alosa pseudoharengus*, alewife | | | |
| D-70-7 | 1 | 18 | 1.8 | * |
| D-70-16 | 4 | 1 | + | 12 |
| | 35 | 1 | 0.1 | 23 |
| D-70-19 | 40 | 1 | 0.1 | 17 |
| D-71-3 | 1 | 2 | + | 10-12 |
| | 40 | 4 | 0.6 | 20-31 |
| | 41 | 4 | 0.9 | 20-31 |
| Del-72-8 | 1 | 3 | 0.1 | 12-22 |
| | 2 | 1 | 0.1 | 26 |
| | *Alosa sapidissima*, American shad | | | |
| D-69-29 | 14 | 1 | * | 15 |
| | 21 | 1 | * | 19 |
| D-70-16 | 35 | 1 | 1.1 | 51 |
| Del-71-3 | 42 | 1 | 0.1 | 18 |
| Del-72-8 | 2 | 1 | 1.5 | 51 |
| | *Brevoortia tyrannus*, Atlantic menhaden | | | |
| D-68-13 | 38 | * | * | * |
| | 39 | * | * | * |
| | 46 | 2 | * | * |
| | 47 | * | * | * |
| | 49 | * | * | * |
| D-69-9 | 63 | 1 | * | 2 |
| | 65 | 1 | * | 2 |
| | 67 | 1 | * | 2 |
| | *Brevoortia tyrannus*--Cont. | | | |
| D-70-7 | 1 | 1 | 0.2 | 24 |
| D-71-3 | 1 | 1 | 0.3 | 35 |
| | 2 | 1 | 0.2 | 32 |
| | 6 | 4 | 0.1 | 9-13 |
| | 8 | 2 | 0.1 | 22 |
| | 16 | 245 | 5.7 | 9-14 |
| Del-71-3 | 1 | 1 | + | 15 |
| Del-72-8 | 1 | 1 | + | 17 |
| | 3 | 1 | 0.1 | 26 |
| | *Clupea harengus harengus*, Atlantic herring | | | |
| D-68-7 | 4 | 2 | * | * |
| D-71-3 | 41 | 7 | 1.2 | 20-34 |
| | *Etrumeus teres*, round herring | | | |
| D-68-13 | 23 | * | * | * |
| | 24 | * | * | * |
| | 40 | 2 | * | * |
| | 42 | * | * | * |
| D-69-9 | 30 | 1 | * | * |
| | 31 | 1 | * | * |
| | 45 | 100 | * | * |
| D-69-23 | 38 | 1 | * | * |
| D-69-25 | 2 | 1 | * | 12 |
| | 11 | 2 | * | 12-13 |
| | 12 | 4 | * | * |
| D-69-29 | 25 | 1 | * | 12 |
| D-70-16 | 17 | 4 | 0.1 | 11 |
| | 24 | 1 | + | 11 |
| | 38 | 1 | + | 10 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Etrumeus teres--Cont. | | |
| D-70-19 | 23 | 1 | 0.2 | 30 |
| | 31 | 8 | 0.1 | 11-14 |
| | 33 | 40 | 0.9 | 13-16 |
| | 34 | 2 | 0.1 | 13 |
| D-71-3 | 26 | 2 | + | 11-13 |
| | 30 | 1 | + | 10 |
| D-71-14 | 1 | 41 | 0.5 | 11-12 |
| | 28 | 9 | 0.1 | 11-12 |
| | 29 | 3 | + | 11-12 |
| Del-71-2 | 2 | 3 | 0.1 | 12-13 |
| Del-71-3 | 3 | 112 | 3.3 | 12-19 |
| | 9 | 240 | 2.7 | 11-13 |
| Del-72-8 | 50 | 17 | 0.5 | 14-16 |
| | | Opisthonema oglinum, Atlantic thread herring | | |
| D-69-23 | 3 | 1 | * | 13 |
| D-69-29 | 7 | 50 | * | 9-11 |
| D-71-3 | 29 | 2 | + | 10-12 |
| | 30 | 14 | 0.1 | 10-23 |
| D-71-11 | 25 | 1 | + | 17 |
| | 27 | 8 | 0.2 | 7-17 |
| | 36 | 1 | 0.1 | 20 |
| | 40 | 2 | 0.1 | 18 |
| Del-71-3 | 34 | 2 | + | 14-16 |
| | 35 | 6 | 0.2 | 16-18 |
| | 40 | 2 | 0.1 | 19-20 |
| Del-72-8 | 34 | 1 | + | 19 |
| | 35 | 1 | + | 18 |
| Del-72-15 | 29 | 1 | + | 11 |
| | 58 | 1 | + | 15 |
| | 59 | 1 | + | 13 |
| | | Sardinella anchovia, Spanish sardine | | |
| D-71-11 | 28 | 131 | 4.8 | 14-19 |
| | 33 | 11 | 0.2 | 10-16 |
| Del-71-3 | 18 | 16 | 0.7 | 17-20 |
| | 25 | 1 | + | 18 |
| | 29 | 8 | 0.1 | 12-15 |
| Del-72-8 | 20 | 2 | + | 8-9 |
| | 29 | 340 | 7.7 | 10-17 |
| | 41 | 9 | 0.1 | 13-16 |
| | 48 | 13 | 0.1 | 8-10 |
| | 50 | 100 | 1.4 | 8-17 |
| Del-72-15 | 14 | 5 | 0.2 | 15-17 |
| | 28 | 1 | + | 13 |
| | 36 | 181 | 4.5 | 10-18 |
| | 71 | 1 | + | 15 |
| | | ENGRAULIDAE | | |
| | | Anchoa hepsetus, striped anchovy | | |
| D-68-13 | 9 | 232 | * | * |
| | 15 | 2 | * | * |
| | 16 | 19 | * | * |
| | 17 | 1 | * | 11 |
| | 26 | 1 | * | * |
| | 37 | * | * | * |
| | 38 | * | * | * |
| | 39 | * | * | * |
| | 46 | * | * | * |
| | 47 | * | * | * |
| | 51 | * | * | * |
| D-69-9 | 4 | * | * | * |
| | 8 | 11 | * | * |
| | 11 | * | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Anchoa hepsetus--Cont. | | |
| | 12 | 2 | * | * |
| | 28 | 1 | * | * |
| | 37 | 6 | * | * |
| | 38 | 8 | * | * |
| | 40 | 1 | * | * |
| | 57 | 12 | * | * |
| D-69-15 | 43 | 2 | * | 7-8 |
| | 46 | 7 | * | * |
| | 59 | 1 | * | 7 |
| | 60 | 1 | * | 8 |
| | 61 | 1 | * | 7 |
| D-69-23 | 4 | 1 | * | 8 |
| | 9 | 11 | * | 5-9 |
| | 10 | 200 | * | * |
| | 24 | 12 | * | * |
| | 28 | 3 | * | 12-13 |
| | 32 | 1 | * | 12 |
| D-69-25 | 9 | 1 | * | * |
| | 12 | 20 | * | * |
| | 13 | 50 | * | * |
| D-69-29 | 4 | 10 | * | 6-12 |
| | 7 | 1 | * | 10 |
| | 9 | 1 | * | 11 |
| | 10 | 1 | * | 8 |
| | 11 | 1 | * | 9 |
| | 12 | 5 | * | 5-8 |
| | 16 | 1 | * | 9 |
| | 17 | 1 | * | 12 |
| | 18 | 2 | * | 10 |
| | 20 | 12 | * | 8-10 |
| | 22 | 6 | * | 10-12 |
| | 23 | 14 | * | 10-11 |
| | 24 | 1 | * | 12 |
| | 25 | 1 | * | 10 |
| D-70-16 | 36 | 1 | + | 7 |
| D-70-19 | 1 | 4 | 0.1 | 8-9 |
| | 6 | 1 | + | 7 |
| | 11 | 2 | 0.1 | 11-12 |
| | 18 | 1 | + | 8 |
| D-71-3 | 1 | 12 | + | 5-8 |
| | 2 | 120 | 0.1 | 4-9 |
| | 6 | 9 | + | 6-7 |
| | 8 | 9 | 0.5 | 5-7 |
| | 10 | 7 | + | 6-11 |
| | 13 | 1 | + | 12 |
| | 14 | 5 | 0.1 | 10-12 |
| | 16 | 3 | 0.1 | 10-11 |
| | 17 | 12 | * | * |
| | 19 | 50 | + | 5-6 |
| | 23 | 30 | 0.2 | 5-10 |
| | 26 | 65 | 0.9 | 10-12 |
| | 27 | 3 | + | 5-11 |
| | 28 | 25 | 0.1 | 5-10 |
| | 29 | 40 | 0.1 | 6-11 |
| | 30 | 250 | 1.5 | 5-11 |
| | 37 | 1 | + | 10 |
| | 38 | 5 | + | 5-7 |
| | 39 | 50 | 0.1 | * |
| D-71-11 | 21 | 325 | 0.9 | 5-11 |
| | 22 | 35 | 0.1 | 6-10 |
| | 27 | 10 | + | 4-6 |
| | 46 | 6 | + | 11-13 |
| | 47 | 3 | + | 8-13 |
| Del-71-2 | 1 | 7 | + | 6-7 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Anchoa hepsetus--Cont. | | | |
| Del-71-3 | 1 | 1 | + | 7 |
| | 2 | 80 | 0.2 | 6-7 |
| | 23 | 3 | + | 10-13 |
| | 35 | 2 | + | 9 |
| | 42 | 36 | 0.3 | 7-13 |
| | 53 | 4 | + | 5-7 |
| | 54 | 2 | + | 11-13 |
| | 65 | 5 | + | 8-9 |
| Del-72-8 | 1 | 400 | 0.5 | 4-7 |
| | 13 | 16 | + | 5-11 |
| | 14 | 1 | + | 11 |
| | 20 | 8 | + | 6-7 |
| | 34 | 8 | 0.1 | 7-11 |
| | 40 | 2 | + | 11 |
| | 41 | 4 | 0.1 | 12-13 |
| | 50 | 2 | + | 11 |
| | 71 | 8 | 0.1 | 11-12 |
| Del-72-15 | 1 | 8 | 0.1 | 11-12 |
| | 21 | 10 | 0.1 | 9-11 |
| | 58 | 24 | 0.1 | 4-11 |
| | 59 | 6 | + | 5-10 |
| | 60 | 10 | 0.1 | 6-11 |
| | 66 | 1 | + | 10 |
| | 68 | 13 | + | 7-17 |
| | Anchoa mitchilli, bay anchovy | | | |
| D-69-9 | 63 | 2 | * | 3-6 |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | SYNODONTIDAE | | | |
| | Synodus foetens, inshore lizardfish | | | |
| D-68-13 | 1 | 22 | 2.2 | 19-33 |
| | 2 | 43 | 2.4 | * |
| | 3 | 1 | * | * |
| | 4 | * | * | * |
| | 6 | 2 | * | * |
| | 7 | 21 | * | * |
| | 8 | 60 | * | 17-25 |
| | 9 | * | * | * |
| | 10 | 4 | * | * |
| | 12 | 3 | * | * |
| | 17 | 3 | * | 23-28 |
| | 25 | * | * | * |
| | 33 | * | * | * |
| | 40 | * | * | * |
| | 41 | * | * | * |
| | 42 | * | * | * |
| | 44 | 1 | * | * |
| | 45 | 1 | * | * |
| | 48 | 3 | * | * |
| | 55 | * | * | * |
| D-69-9 | 14 | 1 | * | * |
| D-69-23 | 1 | * | * | * |
| | 2 | 2 | * | * |
| | 3 | 2 | * | * |
| | 4 | 3 | * | * |
| | 5 | 10 | * | * |
| | 6 | 3 | * | * |
| | 7 | 3 | * | 28-39 |
| | 9 | 56 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Synodus foetens--Cont. | | | |
| | 10 | 35 | * | * |
| | 12 | 3 | * | * |
| | 16 | 10 | * | * |
| | 20 | 1 | * | * |
| | 22 | 1 | * | * |
| | 25 | 1 | * | * |
| D-69-29 | 1 | 1 | * | 30 |
| | 2 | 1 | * | 27 |
| | 5 | 1 | * | 37 |
| | 7 | 1 | * | 44 |
| | 9 | 2 | * | 19-36 |
| | 10 | 1 | * | 10 |
| | 11 | 2 | * | 14-16 |
| | 13 | 2 | * | 40-44 |
| | 18 | 2 | * | 38-40 |
| | 19 | 2 | * | 20-30 |
| | 21 | 1 | * | 17 |
| | 22 | 1 | * | 17 |
| D-71-3 | 23 | 1 | + | 12 |
| | 24 | 4 | 0.1 | 7-16 |
| | 25 | 1 | + | 21 |
| | 26 | 1 | 0.1 | 22 |
| | 31 | 6 | 0.6 | 19-30 |
| | 33 | 6 | 0.7 | 21-31 |
| | 34 | 11 | 0.9 | 14-27 |
| D-71-11 | 22 | 5 | 0.7 | 21-32 |
| | 23 | 1 | 0.1 | 19 |
| | 24 | 2 | 0.5 | 30-31 |
| | 25 | 3 | 0.3 | 28-31 |
| | 27 | 9 | 1.1 | 17-29 |
| | 28 | 29 | 2.6 | 21-31 |
| | 30 | 5 | 0.6 | 23-29 |
| | 31 | 4 | 0.3 | 21-29 |
| | 32 | 10 | 1.0 | 22-31 |
| | 35 | 1 | 0.1 | 30 |
| | 36 | 2 | 0.1 | 23-34 |
| | 37 | 8 | 1.0 | 25-34 |
| | 39 | 2 | 0.2 | 28 |
| | 40 | 6 | 1.0 | 19-34 |
| Del-71-3 | 8 | 2 | 0.1 | 29 |
| | 9 | 2 | 0.2 | 27-30 |
| | 12 | 1 | 0.3 | 34 |
| | 14 | 1 | 0.1 | 19 |
| | 16 | 1 | 0.2 | 35 |
| | 18 | 4 | 0.9 | 28-39 |
| | 24 | 13 | 3.3 | 31-43 |
| | 25 | 21 | 4.3 | 24-38 |
| | 26 | 1 | 0.1 | 26 |
| | 28 | 1 | 0.1 | 36 |
| | 29 | 1 | 0.1 | 38 |
| | 30 | 4 | 0.9 | 28-37 |
| | 31 | 3 | 0.5 | 29-35 |
| | 32 | 10 | 2.4 | 27-38 |
| | 33 | 2 | 0.6 | 31-43 |
| | 37 | 1 | 0.1 | 27 |
| | 38 | 9 | 2.2 | 27-40 |
| | 39 | 14 | 2.5 | 25-38 |
| | 40 | 10 | 1.2 | 21-32 |
| | 41 | 1 | 0.2 | 33 |
| | 42 | 1 | 0.1 | 32 |
| | 43 | 1 | 0.1 | 29 |
| | 44 | 4 | 0.9 | 30-37 |
| | 48 | 6 | 1.2 | 30-33 |
| | 49 | 3 | 0.6 | 31-34 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Synodus foetens*--Cont. | | | |
| | 50 | 3 | 0.5 | 25-28 |
| | 51 | 5 | 1.8 | 30-44 |
| | 52 | 2 | 0.3 | 31-32 |
| | 53 | 2 | 0.5 | 32-34 |
| | 54 | 1 | 0.2 | 32 |
| | 55 | 1 | 0.2 | 28 |
| | 58 | 3 | 0.5 | 16-19 |
| Del-72-8 | 16 | 5 | 1.4 | 31-35 |
| | 17 | 5 | 1.0 | 20-38 |
| | 21 | 2 | 0.5 | 24-36 |
| | 23 | 1 | 0.3 | 36 |
| | 24 | 1 | 0.2 | 31 |
| | 25 | 1 | 0.1 | 29 |
| | 26 | 2 | 0.5 | 33-35 |
| | 29 | 2 | 0.5 | 28-36 |
| | 30 | 8 | 1.4 | 28-32 |
| | 31 | 7 | 0.9 | 23-33 |
| | 32 | 24 | 4.1 | 18-44 |
| | 33 | 1 | 0.1 | 30 |
| | 38 | 6 | 1.0 | 27-34 |
| | 39 | 1 | 0.1 | 28 |
| | 40 | 1 | 0.1 | 20 |
| | 41 | 7 | 1.0 | 13-27 |
| | 42 | 7 | 1.1 | 23-35 |
| | 43 | 2 | 0.6 | 34-36 |
| | 44 | 2 | 0.1 | 25-29 |
| | 45 | 4 | 1.1 | 28-39 |
| | 46 | 2 | 0.9 | 29-42 |
| | 51 | 2 | 0.1 | 28-29 |
| | 52 | 5 | 0.9 | 11-47 |
| | 59 | 1 | 0.2 | 38 |
| | 60 | 3 | 0.6 | 24-32 |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Synodus foetens*--Cont. | | | |
| | 61 | 3 | 0.3 | 19-24 |
| | 62 | 14 | 2.4 | 25-39 |
| | 66 | 2 | 0.5 | 34-35 |
| | 68 | 1 | 0.1 | 23 |
| Del-72-15 | 7 | 2 | 0.1 | 30 |
| | 8 | 1 | 0.1 | 33 |
| | 9 | 3 | 0.7 | 28-36 |
| | 11 | 3 | 0.5 | 28-35 |
| | 15 | 1 | 0.5 | 42 |
| | 17 | 18 | 4.1 | 33-45 |
| | 18 | 2 | 1.1 | 29-38 |
| | 19 | 1 | 0.1 | 27 |
| | 20 | 4 | 0.3 | 23-30 |
| | 21 | 11 | 1.0 | 20-28 |
| | 25 | 3 | 0.7 | 30-34 |
| | 27 | 1 | 0.1 | 25 |
| | 28 | 3 | 0.3 | 27-36 |
| | 29 | 3 | 0.1 | 16-20 |
| | 31 | 2 | 1.1 | 43-45 |
| | 33 | 3 | 0.7 | 29-37 |
| | 34 | 2 | 0.6 | 34-40 |
| | 37 | 5 | 0.2 | 19-25 |
| | 39 | 1 | 0.1 | 28 |
| | 41 | 3 | 0.7 | 30-33 |
| | 42 | 1 | 0.2 | 35 |
| | 45 | 2 | 0.2 | 23-24 |
| | 46 | 6 | 1.4 | 29-37 |
| | 48 | 2 | 0.3 | 28-33 |
| | 49 | 1 | 0.2 | 34 |
| | 53 | 1 | 0.3 | 34 |
| | 55 | 8 | 1.1 | 26-33 |
| | 56 | 1 | 0.1 | 30 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Synodus foetens*--Cont. | | | |
| | 57 | 2 | 0.1 | 19-23 |
| | 58 | 11 | 1.1 | 18-31 |
| | 60 | 4 | 0.3 | 19-25 |
| | 61 | 1 | 0.1 | 24 |
| | 62 | 1 | 0.2 | 33 |
| | 63 | 1 | 0.1 | 28 |
| | 65 | 3 | 0.6 | 31-35 |
| | 66 | 1 | 0.1 | 34 |
| | 67 | 1 | 0.2 | 32 |
| | 68 | 2 | 0.2 | 25-26 |
| | 69 | 3 | 0.6 | 19-35 |
| | 70 | 4 | 1.1 | 29-38 |
| | 76 | 1 | 0.1 | 23 |
| | *Synodus intermedius*, sand diver | | | |
| Del-72-8 | 29 | 1 | 0.1 | 24 |
| Del-72-15 | 64 | 1 | + | 17 |
| | 65 | 1 | + | 11 |
| | *Synodus poeyi*, offshore lizardfish | | | |
| Del-72-8 | 46 | 2 | 0.5 | 23-26 |
| | 63 | 1 | + | 12 |
| Del-72-15 | 64 | 1 | 0.1 | 24 |
| | 71 | 1 | 0.1 | 24 |
| | 72 | 1 | + | 12 |
| | *Trachinocephalus myops*, snakefish | | | |
| D-71-3 | 18 | 2 | + | 10 |
| | *Trachinocephalus myops*--Cont. | | | |
| Del-71-3 | 30 | 2 | 0.1 | 19-27 |
| | 36 | 3 | 0.4 | 22-28 |
| | 38 | 1 | 0.1 | 27 |
| | 39 | 1 | + | 12 |
| | 50 | 2 | 0.3 | 22-28 |
| | 61 | 1 | + | 13 |
| Del-72-8 | 18 | 2 | 0.2 | 16-24 |
| | 26 | 1 | 0.1 | 19 |
| | 31 | 1 | 0.2 | 26 |
| | 32 | 1 | 0.1 | 12 |
| | 38 | 1 | 0.1 | 23 |
| | 39 | 1 | + | 17 |
| | 45 | 2 | 0.1 | 21-22 |
| Del-72-15 | 33 | 1 | 0.1 | 22 |
| | 38 | 1 | + | 35 |
| | 47 | 1 | 0.1 | 16 |
| | 64 | 2 | 0.1 | 11-22 |
| | CHLOROPHTHALMIDAE *Sudis* sp. | | | |
| Del-72-8 | 6 | 1 | + | 20 |
| | MYCTOPHIDAE Myctophid, unidentifiable to genus | | | |
| Del-72-15 | 50 | 3 | + | 7-8 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | ARIIDAE | | |
| | | Arius felis, sea catfish | | |
| D-71-3 | 28 | 2 | 0.1 | 11-21 |
| | 29 | 1 | + | 21 |
| | 32 | 1 | 0.1 | 21 |
| D-71-11 | 25 | 1 | 0.2 | 31 |
| Del-71-3 | 35 | 2 | 0.1 | 18-19 |
| | 40 | 79 | 12.2 | 20-35 |
| | 41 | 2 | 0.8 | 22-36 |
| Del-72-15 | 58 | 1 | 0.2 | 24 |
| | | BATRACHOIDIDAE | | |
| | | Opsanus tau, oyster toadfish | | |
| D-69-23 | 1 | 1 | * | * |
| D-69-29 | 11 | 1 | * | 25 |
| D-71-3 | 14 | 1 | 0.5 | 26 |
| | | Porichthys porosissimus, Atlantic midshipman | | |
| D-69-23 | 11 | 2 | * | 15-16 |
| | 12 | 2 | * | * |
| | 16 | 2 | * | * |
| D-69-29 | 10 | 2 | * | 18-19 |
| | 27 | 1 | * | 15 |
| D-71-3 | 31 | 1 | + | 12 |
| D-71-11 | 17 | 2 | 0.1 | 14 |
| Del-71-3 | 51 | 1 | + | 12 |
| Del-72-8 | 19 | 9 | 0.5 | 12-21 |
| | 27 | 1 | + | 9 |
| | 55 | 2 | 0.1 | 12-18 |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Porichthys porosissimus--Cont. | | |
| Del-72-15 | 67 | 1 | 0.1 | 18 |
| | 68 | 9 | 0.5 | 10-20 |
| | 69 | 2 | 0.1 | 12-15 |
| | 71 | 1 | + | 17 |
| | | GOBIESOCIDAE | | |
| | | Gobiesox sp. | | |
| D-71-14 | 9 | 1 | + | * |
| | | LOPHIIDAE | | |
| | | Lophius americanus, goosefish | | |
| D-69-9 | 1 | 1 | * | 51 |
| | 4 | 1 | * | * |
| | 8 | 3 | * | * |
| | 9 | 1 | * | * |
| | 11 | 1 | * | * |
| | 13 | 1 | * | * |
| | 14 | 1 | * | * |
| | 20 | 3 | * | * |
| | 23 | 2 | * | * |
| | 28 | 2 | * | * |
| | 29 | 3 | * | * |
| | 41 | 2 | * | * |
| | 44 | 1 | * | * |
| | 62 | 1 | * | * |
| | 63 | 3 | * | * |
| | 64 | 2 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Lophius americanus--Cont. | | | |
| D-69-15 | 16 | 1 | * | 32 |
| | 30 | 1 | * | * |
| | 32 | 3 | * | 6-7 |
| | 44 | 1 | * | * |
| | 66 | 1 | * | 6 |
| D-70-7 | 1 | 1 | 2.7 | * |
| | 2 | 1 | 3.6 | * |
| | 3 | 1 | 2.3 | * |
| | 4 | 1 | 3.6 | * |
| D-70-16 | 23 | 1 | 6.7 | 78 |
| | 25 | 1 | + | 6 |
| | 28 | 1 | 10.4 | 84 |
| | 35 | 1 | 7.5 | 88 |
| | 37 | 1 | 0.6 | 26 |
| D-71-3 | 37 | 3 | 22.7 | 100-110 |
| D-71-14 | 5 | 2 | 2.4 | 21-54 |
| | 12 | 1 | 0.1 | 19 |
| | 28 | 2 | 9.5 | 21-77 |
| | 32 | 7 | 0.9 | 17-24 |
| | 33 | 2 | 1.1 | 27-32 |
| Del-71-2 | 8 | 1 | 0.1 | 19 |
| Del-72-8 | 2 | 1 | 6.1 | 70 |
| | 6 | 2 | 6.8 | 53-64 |
| | 69 | 1 | 2.3 | 54 |
| Del-72-15 | 2 | 1 | 5.9 | 76 |
| | ANTENNARIIDAE | | | |
| | Antennarius ocellatus, ocellated frogfish | | | |
| Del-71-3 | 27 | 1 | 0.1 | 15 |
| | OGCOCEPHALIDAE | | | |
| | Halieutichthys aculeatus, pancake batfish | | | |
| Del-71-3 | 11 | 8 | 0.1 | 6-8 |
| | 36 | 10 | 0.1 | 8-10 |
| Del-72-8 | 18 | 21 | 0.5 | 8-12 |
| | 19 | 2 | + | 7-11 |
| | 26 | 7 | 0.3 | 10-12 |
| | 27 | 1 | + | 6 |
| | 39 | 5 | 0.1 | 9-10 |
| | 46 | 5 | 0.1 | 9-11 |
| | 47 | 1 | + | 10 |
| | 54 | 1 | + | 10 |
| | 63 | 1 | + | 8 |
| | 75 | 11 | 0.1 | 6-8 |
| Del-72-15 | 22 | 6 | 0.1 | 7-8 |
| | 30 | 10 | 0.1 | 4-8 |
| | 31 | 5 | 0.1 | 10-12 |
| | 51 | 26 | 0.2 | 3-9 |
| | 73 | 2 | + | 7-9 |
| | Ogcocephalus nasutus, shortnose batfish | | | |
| Del-71-3 | 30 | 1 | + | 15 |
| | 35 | 1 | + | 6 |
| | 36 | 1 | + | 6 |
| | 37 | 1 | + | 13 |
| | 43 | 1 | 0.1 | 19 |
| | 50 | 3 | 0.1 | 10-11 |
| Del-72-8 | 19 | 1 | + | 6 |
| | 26 | 1 | 0.1 | 16 |
| | 30 | 1 | 0.1 | 18 |
| | 37 | 1 | + | 7 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Ogcocephalus nasutus*--Cont. | | | |
| | 38 | 3 | 0.2 | 15-17 |
| | 39 | 1 | + | 8 |
| | 45 | 1 | 0.7 | 35 |
| | 63 | 1 | + | 13 |
| Del-72-15 | 13 | 2 | 0.1 | 13 |
| | 24 | 1 | 0.1 | 18 |
| | 31 | 3 | 0.1 | 10-19 |
| | 32 | 1 | 0.1 | 17 |
| | 38 | 1 | + | 9 |
| | 39 | 5 | 0.3 | 14-17 |
| | 40 | 4 | 0.3 | 12-16 |
| | 41 | 1 | + | 10 |
| | 47 | 1 | 0.1 | 16 |
| | 63 | 1 | + | 10 |
| | 64 | 2 | 0.1 | 6-8 |
| | 72 | 5 | 0.5 | 10-17 |
| | *Ogcocephalus parvus*, roughback batfish | | | |
| Del-71-3 | 29 | 1 | + | 12 |
| | *Ogcocephalus vespertilio*, longnose batfish | | | |
| Del-71-3 | 11 | 1 | 0.1 | 14 |
| Del-72-8 | 29 | 1 | + | 8 |
| | 39 | 1 | + | 13 |
| | 75 | 1 | + | 11 |
| Del-72-15 | 13 | 3 | 0.2 | 13-19 |
| | 49 | 2 | 0.1 | 9-10 |
| | 72 | 9 | 0.6 | 12-16 |
| | *Ogcocephalus* sp. | | | |
| D-69-29 | 4 | 1 | * | * |
| | 7 | 1 | * | 6 |
| | 8 | 1 | * | 6 |
| | 10 | 1 | * | 6 |
| | 19 | 1 | * | 6 |
| D-71-11 | 39 | 1 | + | 8 |
| | GADIDAE | | | |
| | *Gadus morhua*, Atlantic cod | | | |
| D-70-7 | 4 | 1 | 5.0 | 70 |
| | *Merluccius bilinearis*, silver hake | | | |
| D-68-7 | 3 | 3 | * | * |
| | 4 | 169 | * | 14-44 |
| | 5 | 1 | * | * |
| | 7 | 1 | * | * |
| | 9 | 5 | * | 12-24 |
| | 10 | 16 | * | 18-23 |
| | 22 | 1 | * | 23 |
| D-69-9 | 3 | 3 | * | * |
| | 64 | 3 | * | * |
| | 65 | 2 | * | 18-25 |
| | 69 | 5 | * | 27-32 |
| D-69-15 | 7 | 2 | * | 16-22 |
| | 11 | 11 | * | 15-20 |
| | 14 | 1 | * | 21 |
| | 15 | 3 | * | 10-29 |
| | 16 | 1 | * | 20 |
| | 18 | 8 | * | 12-24 |
| | 19 | 9 | * | 20-30 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Merluccius bilinearis--Cont. | | |
| | 20 | 3 | * | * |
| | 21 | 2 | * | 18-26 |
| | 23 | 2 | * | 21-30 |
| | 29 | 9 | * | 30-34 |
| | 30 | * | 13.6 | * |
| | 31 | 3 | * | 17-19 |
| | 32 | 7 | * | 14-30 |
| | 33 | 9 | * | 16-29 |
| | 34 | 10 | * | 17-29 |
| | 35 | 3 | * | * |
| | 49 | 2 | * | 17-24 |
| | 50 | 1 | * | 28 |
| | 51 | 1 | * | 27 |
| | 52 | 8 | * | 21-31 |
| | 53 | 7 | * | 19-32 |
| | 54 | 1 | * | 32 |
| | 63 | 1 | * | 29 |
| | 64 | 2 | * | 25-29 |
| | 66 | 2 | * | 25-35 |
| | 67 | 1 | * | 31 |
| | 70 | 5 | * | 21-30 |
| D-69-23 | 1 | 1 | * | * |
| D-69-25 | 2 | 1 | * | 10 |
| | 8 | 1 | * | 19 |
| D-70-7 | 2 | 2 | 0.6 | 17-37 |
| | 3 | 4 | 0.2 | 11-17 |
| | 4 | 3 | 0.6 | 9-34 |
| D-70-16 | 1 | 84 | 2.8 | 7-20 |
| | 2 | 480 | 10.9 | 11-20 |
| | 3 | 64 | 2.0 | 11-23 |
| | 4 | 42 | 1.5 | 11-18 |
| | 6 | 106 | 3.2 | 13-17 |
| | | Merluccius bilinearis--Cont. | | |
| | 7 | 450 | 20.4 | 15-19 |
| | 11 | 98 | 2.9 | 16-20 |
| | 12 | 49 | 3.1 | 16-21 |
| | 17 | 12 | 0.3 | 9-18 |
| | 18 | 23 | 0.6 | 11-21 |
| | 19 | 11 | 0.5 | 14-19 |
| | 22 | 3 | + | 12-16 |
| | 26 | 11 | 0.3 | 13-17 |
| | 27 | 34 | 1.1 | 11-21 |
| | 29 | 38 | 0.8 | 10-17 |
| | 30 | 40 | 1.0 | 11-19 |
| | 31 | 73 | 1.6 | 10-19 |
| | 32 | 54 | 1.1 | 11-17 |
| | 33 | 19 | 0.3 | 12-18 |
| | 34 | 42 | 1.0 | 10-19 |
| | 35 | 384 | 10.9 | 12-19 |
| | 36 | 46 | 1.4 | 13-19 |
| D-70-19 | 2 | 51 | 1.6 | 14-19 |
| | 3 | 1 | 0.1 | 18 |
| | 4 | 13 | 0.5 | 17-19 |
| | 5 | 4 | 0.3 | 20-23 |
| | 7 | 2 | 0.1 | 17-19 |
| | 8 | 35 | 2.0 | 18-23 |
| | 12 | 12 | 0.6 | 18-21 |
| | 13 | 12 | 0.6 | 19-22 |
| | 20 | 71 | 3.2 | 15-22 |
| | 21 | 20 | 0.7 | 14-20 |
| | 22 | 12 | 0.5 | 16-21 |
| | 23 | 7 | 0.2 | 18-21 |
| | 24 | 10 | 0.5 | 17-22 |
| | 26 | 1 | 0.1 | 20 |
| | 28 | 8 | 0.5 | 13-21 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Merluccius bilinearis*--Cont. | | | |
| | 29 | 1 | 0.1 | 17 |
| | 31 | 86 | 2.5 | 11-23 |
| | 32 | 62 | 2.3 | 12-21 |
| | 33 | 6 | 0.2 | 15-23 |
| | 34 | 7 | 0.3 | 17-20 |
| | 36 | 1 | 0.1 | 14 |
| | 37 | 2 | 0.1 | 16-17 |
| D-71-3 | 1 | 2 | + | 9-10 |
| | 3 | 12 | 10.2 | 42-56 |
| | 4 | 3 | 0.2 | 10-32 |
| | 5 | 1 | + | 14 |
| | 39 | 14 | 4.1 | 8-44 |
| | 40 | 3 | 0.7 | 9-41 |
| | 41 | 6 | 0.1 | 11-24 |
| D-71-11 | 11 | 13 | 0.7 | 12-20 |
| | 12 | 7 | 0.2 | 12-22 |
| | 14 | 2 | 0.1 | 15-16 |
| | 16 | 1 | 0.1 | 19 |
| | 42 | 1 | 0.1 | 19 |
| | 45 | 9 | 0.5 | 14-21 |
| | 48 | 41 | 1.8 | 11-23 |
| D-71-14 | 3 | 1 | 0.1 | 22 |
| | 4 | 27 | 3.6 | 16-52 |
| | 5 | 3 | 0.3 | 26-29 |
| | 10 | 5 | 0.5 | 20-24 |
| | 11 | 20 | 1.2 | 17-33 |
| | 12 | 1 | 0.1 | 31 |
| | 13 | 3 | 0.6 | 22-33 |
| | 14 | 1 | 0.1 | 20 |
| | 15 | 6 | 0.8 | 19-26 |
| | 16 | 1 | 0.1 | 23 |
| | 17 | 88 | 6.0 | 17-23 |
| | 21 | 2 | 0.3 | 32-33 |
| | 22 | 2 | 0.8 | 20-38 |
| | 23 | 3 | 0.2 | 18-23 |
| | 29 | 1 | 0.1 | 21 |
| | 30 | 4 | 0.2 | 19-20 |
| | 31 | 10 | 0.7 | 15-26 |
| | 33 | 1 | 0.1 | 25 |
| Del-72-8 | 2 | 3 | 0.1 | 17-26 |
| | 6 | 1 | 0.1 | 27 |
| | *Urophycis chuss*, red hake | | | |
| D-68-7 | 4 | 77 | * | 14-34 |
| D-69-9 | 64 | 5 | * | * |
| | 68 | 3 | * | * |
| | 69 | 6 | * | 35-51 |
| D-69-15 | 8 | 9 | * | 10-24 |
| | 9 | 1 | * | 20 |
| | 11 | 3 | * | 19-20 |
| | 15 | 1 | * | 15 |
| | 16 | 3 | * | 35-39 |
| | 19 | 4 | * | 15-35 |
| | 20 | 13 | * | 14-34 |
| | 21 | 2 | * | 32 |
| | 32 | 5 | * | 18-22 |
| | 33 | 4 | * | 14-28 |
| | 35 | 5 | * | * |
| | 36 | 1 | * | 34 |
| | 65 | 1 | * | 34 |
| | 66 | 1 | * | 21 |
| | 67 | 4 | * | 16-34 |
| | 70 | 4 | * | 11-37 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Urophycis chuss--Cont. | | | |
| D-69-25 | 9 | 1 | * | 22 |
| D-70-7 | 1 | 5 | 1.8 | 16-43 |
| | 2 | 12 | 2.7 | 12-43 |
| | 3 | 1 | 0.3 | 36 |
| D-70-16 | 1 | 78 | 3.1 | 13-38 |
| | 2 | 27 | 1.6 | 13-36 |
| | 3 | 1 | 0.1 | 15 |
| | 4 | 1 | 0.1 | 27 |
| | 11 | 3 | 0.1 | 17-22 |
| | 16 | 2 | 0.1 | 19-21 |
| | 17 | 33 | 1.0 | 12-20 |
| | 18 | 26 | 1.2 | 11-22 |
| | 19 | 1 | + | 18 |
| | 22 | 23 | 0.8 | 11-19 |
| | 23 | 16 | 0.2 | 11-17 |
| | 24 | 19 | 0.6 | 10-28 |
| | 25 | 31 | 0.6 | 13-18 |
| | 26 | 56 | 1.8 | 13-22 |
| | 29 | 18 | 0.3 | 11-28 |
| | 31 | 2 | 0.5 | 20-34 |
| | 32 | 4 | 0.3 | 16-31 |
| | 33 | 4 | 0.3 | 14-33 |
| | 34 | 13 | 0.9 | 11-30 |
| | 35 | 49 | 3.6 | 10-38 |
| | 36 | 1 | 0.3 | 41 |
| | 37 | 52 | 3.4 | 12-52 |
| | 38 | 10 | 0.6 | 14-20 |
| D-70-19 | 1 | 2 | 0.1 | 12-20 |
| | 10 | 1 | 0.1 | 21 |
| | 11 | 1 | 0.1 | 13 |
| | 12 | 4 | 0.3 | 21-24 |
| | 16 | 1 | 0.1 | 27 |
| | 17 | 1 | 0.2 | 27 |
| | 18 | 1 | 0.1 | 25 |
| | 19 | 5 | 0.2 | 15-21 |
| | 20 | 15 | 0.7 | 14-22 |
| | 24 | 34 | 2.7 | 14-42 |
| | 25 | 1 | 0.1 | 22 |
| | 27 | 8 | 0.7 | 14-32 |
| | 28 | 2 | 0.1 | 14-24 |
| | 29 | 8 | 0.6 | 17-22 |
| | 30 | 3 | 0.1 | 17-19 |
| | 31 | 45 | 3.2 | 17-29 |
| | 32 | 38 | 2.3 | 14-35 |
| | 34 | 1 | 0.2 | 26 |
| | 35 | 1 | 0.1 | 21 |
| | 36 | 3 | 0.1 | 15 |
| | 37 | 44 | 9.1 | 18-43 |
| | 38 | 54 | 6.1 | 13-46 |
| | 39 | 10 | 0.7 | 15-24 |
| | 40 | 16 | 1.0 | 17-23 |
| D-71-3 | 1 | 8 | 0.1 | 8-11 |
| | 3 | 4 | 1.0 | 18-45 |
| | 4 | 3 | + | 11-14 |
| | 39 | 2 | 0.1 | 12-14 |
| | 40 | 2 | 1.0 | 10-45 |
| | 41 | 1 | + | 10 |
| D-71-11 | 2 | 2 | 0.9 | 38-41 |
| | 49 | 6 | 0.1 | 12-17 |
| D-71-14 | 1 | 2 | 0.1 | 16 |
| | 4 | 65 | 14.5 | 17-40 |
| | 5 | 13 | 1.8 | 18-36 |
| | 11 | 24 | 1.2 | 16-23 |
| | 12 | 14 | 0.7 | 14-27 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Urophycis chuss*--Cont. | | | |
| | 13 | 8 | 0.5 | 13-29 |
| | 14 | 19 | 2.3 | 11-42 |
| | 20 | 20 | 0.9 | 15-32 |
| | 21 | 53 | 3.3 | 17-34 |
| | 22 | 14 | 0.6 | 13-31 |
| | 27 | 28 | 0.6 | 11-18 |
| | 31 | 24 | 2.0 | 16-30 |
| | 32 | 14 | 2.5 | 17-37 |
| | 33 | 19 | 2.9 | 16-40 |
| Del-71-2 | 6 | 1 | + | 13 |
| Del-72-8 | 1 | 1 | 0.1 | 22 |
| | *Urophycis earlli*, Carolina hake | | | |
| D-69-29 | 10 | 2 | * | 27 |
| | 16 | 7 | * | 20-39 |
| | 17 | 1 | * | 23 |
| | 18 | 1 | * | 30 |
| Del-71-3 | 43 | 1 | 0.5 | 32 |
| Del-72-8 | 9 | 1 | 0.3 | 33 |
| | 12 | 2 | 0.5 | 22-32 |
| | 45 | 1 | 0.3 | 37 |
| Del-72-15 | 67 | 1 | 0.3 | 33 |
| | 69 | 1 | 0.1 | 19 |
| | 71 | 1 | 0.6 | 34 |
| | *Urophycis floridanus*, southern hake | | | |
| D-71-3 | 11 | 1 | + | 11 |
| | 12 | 8 | 0.2 | 8-27 |
| | 25 | 1 | + | 10 |
| | *Urophycis regius*, spotted hake | | | |
| D-68-7 | 14 | 2 | * | 18-20 |
| D-69-9 | 2 | 2 | * | 5-8 |
| | 48 | 3 | * | * |
| | 51 | 2 | * | * |
| | 52 | 3 | * | * |
| | 53 | 6 | * | * |
| | 54 | 6 | * | 12-18 |
| | 55 | 3 | * | 20 |
| | 56 | 10 | * | 11-13 |
| | 62 | 2 | * | 3 |
| | 63 | 14 | * | * |
| D-69-15 | 7 | 32 | 1.8 | 14-27 |
| | 8 | 11 | * | 11-25 |
| | 9 | 6 | * | 9-28 |
| | 11 | 17 | * | 12-22 |
| | 13 | 8 | * | 14-23 |
| | 19 | 1 | * | * |
| | 20 | 7 | * | 12-19 |
| | 21 | 15 | * | 10-30 |
| | 22 | 2 | * | 22-24 |
| | 23 | 1 | * | 20 |
| | 24 | 39 | * | 10-20 |
| | 25 | 112 | * | 8-22 |
| | 26 | 2 | * | * |
| | 29 | 2 | * | 16-20 |
| | 30 | 3 | * | 11-19 |
| | 32 | 1 | * | 18 |
| | 35 | 2 | * | * |
| | 37 | 17 | * | 16-18 |
| | 38 | 1 | * | 20 |
| | 40 | 14 | * | 16-27 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Urophycis regius*--Cont. | | | |
| | 41 | 26 | * | 12-19 |
| | 42 | 5 | * | 15-19 |
| | 43 | 1 | * | 18 |
| | 49 | 6 | * | 14-26 |
| | 54 | 8 | * | 14-22 |
| | 55 | 3 | * | 16-18 |
| | 59 | 1 | * | 22 |
| | 60 | 3 | * | 8-15 |
| | 70 | 10 | * | 9-17 |
| D-69-21 | 1 | 7 | * | 19-27 |
| | 2 | 12 | * | 18-26 |
| | 3 | 8 | * | 17-23 |
| D-69-23 | 17 | 2 | * | 18 |
| | 18 | 1 | * | 23 |
| | 21 | 11 | * | 21-28 |
| | 22 | 28 | * | 16-23 |
| | 23 | 2 | * | 23 |
| | 24 | 3 | * | 19-21 |
| | 29 | 7 | * | 22-26 |
| | 31 | 2 | * | 12-28 |
| | 32 | 24 | * | 22-26 |
| | 42 | 12 | * | 19-24 |
| | 43 | 6 | * | 21-22 |
| D-69-25 | 2 | 2 | * | 24-27 |
| | 5 | 5 | * | 21-27 |
| | 7 | 4 | * | 11-27 |
| | 8 | 4 | * | 24-26 |
| | 9 | 12 | * | 25-31 |
| | 13 | 3 | * | 16-17 |
| D-69-29 | 17 | 1 | * | 24 |
| | 18 | 1 | * | 27 |
| | 21 | 1 | * | 31 |
| | 22 | 1 | * | 20 |
| | 23 | 1 | * | 17 |
| | 24 | 5 | * | 21-26 |
| | 25 | 2 | * | 21-28 |
| | 26 | 7 | * | 20-27 |
| | 27 | 8 | * | 17-24 |
| D-70-16 | 1 | 17 | 0.2 | 10-13 |
| | 5 | 290 | 13.2 | 12-21 |
| | 6 | 126 | 5.4 | 11-23 |
| | 8 | 1 | 0.1 | 20 |
| | 9 | 20 | 1.6 | 12-24 |
| | 10 | 66 | 2.3 | 13-21 |
| | 11 | 22 | 2.0 | 16-25 |
| | 12 | 16 | 1.9 | 17-30 |
| | 13 | 1 | 0.1 | 18 |
| | 14 | 1 | 0.1 | 22 |
| | 15 | 10 | 1.2 | 18-25 |
| | 16 | 11 | 0.8 | 14-21 |
| | 17 | 1 | + | 22 |
| | 18 | 7 | 0.1 | 10-21 |
| | 21 | 3 | 0.1 | 10-13 |
| | 29 | 4 | + | 9-13 |
| | 34 | 24 | 0.1 | 8-13 |
| | 36 | 25 | 0.6 | 10-14 |
| | 39 | 32 | 0.7 | 9-14 |
| D-70-19 | 1 | 14 | 0.6 | 13-20 |
| | 2 | 5 | 0.2 | 15-18 |
| | 5 | 59 | 2.9 | 15-22 |
| | 6 | 40 | 2.3 | 13-25 |
| | 8 | 8 | 0.7 | 17-24 |
| | 10 | 65 | 3.9 | 16-24 |
| | 11 | 5 | 0.2 | 16-24 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | *Urophycis regius*--Cont. | | |
| | 12 | 64 | 4.3 | 17-28 |
| | 13 | 94 | 5.7 | 16-26 |
| | 14 | 2 | 0.2 | 17-26 |
| | 16 | 7 | 0.6 | 19-28 |
| | 17 | 1 | 0.2 | 19 |
| | 18 | 2 | 0.2 | 24-26 |
| | 19 | 15 | 0.5 | 11-18 |
| | 20 | 3 | 0.1 | 14-15 |
| | 23 | 7 | 0.8 | 12-30 |
| | 24 | 13 | 1.2 | 13-27 |
| | 25 | 5 | 0.7 | 21-28 |
| | 26 | 1 | + | 14 |
| | 28 | 2 | 0.5 | 23-30 |
| | 29 | 10 | 0.7 | 13-28 |
| | 30 | 4 | 0.1 | 13-16 |
| | 31 | 2 | 0.2 | 23-24 |
| | 32 | 2 | 0.1 | 13-14 |
| | 36 | 7 | 0.2 | 11-17 |
| | 39 | 9 | 0.5 | 14-18 |
| | 40 | 17 | 0.9 | 14-20 |
| D-71-3 | 1 | 8 | 0.1 | 8-11 |
| | 2 | 10 | 0.1 | 6-13 |
| | 3 | 5 | 0.1 | 13-17 |
| | 4 | 18 | 0.3 | 8-17 |
| | 5 | 3 | 0.1 | 8-10 |
| | 9 | 4 | 0.1 | 11-19 |
| | 12 | 1 | + | 13 |
| | 13 | 14 | 0.1 | 7-16 |
| | 14 | 9 | 0.1 | 6-18 |
| | 15 | 76 | 0.9 | 6-20 |
| | 16 | 117 | 1.4 | 7-26 |
| | 17 | 32 | 0.5 | 3-18 |
| | 19 | 28 | 0.2 | 4-14 |
| | 22 | 320 | 3.6 | 8-13 |
| | 23 | 106 | 1.1 | 7-15 |
| | 24 | 48 | 0.5 | 8-12 |
| | 27 | 50 | 1.0 | 7-18 |
| | 28 | 23 | 0.6 | 9-18 |
| | 29 | 12 | 0.1 | 8-15 |
| | 30 | 4 | + | 7-14 |
| | 32 | 3 | 0.1 | 13-14 |
| | 35 | 5 | 0.2 | 11-20 |
| | 36 | 10 | 0.1 | 6-14 |
| | 37 | 11 | 0.2 | 7-20 |
| | 38 | 19 | 0.5 | 4-18 |
| | 39 | 14 | 1.0 | 4-12 |
| | 41 | 1 | + | 3 |
| D-71-11 | 5 | 5 | 0.3 | 9-25 |
| | 6 | 2 | 0.1 | 17-25 |
| | 8 | 1 | 0.1 | 19 |
| | 10 | 2 | + | 12 |
| | 11 | 11 | 0.7 | 13-27 |
| | 12 | 16 | 0.2 | 9-15 |
| | 14 | 16 | 0.8 | 14-22 |
| | 16 | 1 | 0.1 | 20 |
| | 42 | 15 | 1.0 | 16-26 |
| | 43 | 34 | 1.4 | 11-19 |
| | 44 | 95 | 4.3 | 15-20 |
| | 45 | 3 | 0.1 | 16-17 |
| | 47 | 8 | 0.5 | 14-24 |
| | 48 | 123 | 9.1 | 15-25 |
| | 49 | 53 | 4.4 | 17-30 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Urophycis regius*--Cont. | | | |
| D-71-14 | 1 | 5 | 0.3 | 18-21 |
| | 10 | 17 | 1.6 | 13-27 |
| | 12 | 2 | 0.2 | 20-21 |
| | 13 | 5 | 0.3 | 19-22 |
| | 14 | 29 | 2.7 | 18-25 |
| | 15 | 250 | 14.7 | 15-28 |
| | 16 | 5 | 0.6 | 14-25 |
| | 17 | 57 | 4.8 | 18-30 |
| | 18 | 4 | 0.5 | 20-24 |
| | 19 | 4 | 0.3 | 21-26 |
| | 21 | 5 | 0.5 | 16-27 |
| | 22 | 20 | 2.0 | 11-27 |
| | 24 | 2 | 0.3 | 23-28 |
| | 25 | 6 | 0.9 | 17-32 |
| | 27 | 5 | 0.1 | 13-15 |
| Del-71-2 | 3 | 5 | 0.5 | 20-24 |
| | 4 | 1 | 0.1 | 21 |
| | 5 | 1 | 0.1 | 22 |
| | 7 | 2 | 0.2 | 20-24 |
| | 8 | 2 | 0.2 | 20-26 |
| Del-71-3 | 1 | 2 | 0.2 | 24-28 |
| | 6 | 1 | 0.1 | 20 |
| | 7 | 12 | 1.4 | 18-28 |
| | 11 | 1 | 0.1 | 18 |
| | 60 | 1 | 0.2 | 30 |
| | 61 | 10 | 1.4 | 20-27 |
| | 62 | 3 | 0.2 | 20-26 |
| | 64 | 1 | 0.2 | 28 |
| | 65 | 6 | 1.4 | 23-33 |
| | 67 | 1 | 0.1 | 21 |
| | 68 | 2 | 0.1 | 7-22 |
| Del-72-8 | 1 | 1 | 0.1 | 17 |
| | 2 | 3 | + | 11-15 |
| | 6 | 8 | 0.2 | 9-20 |
| | 15 | 1 | + | 11 |
| | 17 | 1 | 0.2 | 28 |
| | 18 | 2 | 0.3 | 22-26 |
| | 19 | 25 | 2.2 | 17-30 |
| | 27 | 24 | 1.4 | 11-26 |
| | 39 | 1 | 0.1 | 23 |
| | 47 | 12 | 0.5 | 15-20 |
| | 55 | 14 | 0.8 | 13-22 |
| | 63 | 10 | 0.6 | 15-23 |
| | 64 | 1 | + | 12 |
| | 72 | 4 | 0.3 | 18-28 |
| | 73 | 1 | 0.1 | 28 |
| Del-72-15 | 1 | 4 | 0.1 | 11-21 |
| | 2 | 3 | 0.3 | 20-36 |
| | 5 | 3 | 0.5 | 18-30 |
| | 6 | 6 | 0.5 | 17-24 |
| | 22 | 1 | 0.1 | 19 |
| | 30 | 25 | 0.9 | 11-21 |
| | 50 | 1 | 0.1 | 11 |
| | 59 | 1 | + | 11 |
| | 60 | 2 | 0.1 | 12 |
| | 65 | 1 | + | 12 |
| | 68 | 1 | + | 14 |
| | *Urophycis tenuis*, white hake | | | |
| D-68-7 | 22 | 1 | * | 17 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | OPHIDIIDAE | | |
| | | Lepophidium cervinum, fawn cusk-eel | | |
| D-69-29 | 6 | 3 | * | 23-26 |
| | 7 | 5 | * | 11-24 |
| | 9 | 1 | * | 23 |
| | 17 | 1 | * | 8 |
| | 18 | 2 | * | 24-25 |
| | 19 | 1 | * | 26 |
| D-71-3 | 18 | 1 | 0.1 | 21 |
| | 31 | 3 | 0.1 | 7-23 |
| | 35 | 2 | + | 6-16 |
| Del-72-8 | 43 | 2 | 0.1 | 9-28 |
| | 46 | 1 | 0.2 | 33 |
| | 74 | 2 | 0.3 | 28-29 |
| Del-72-15 | 39 | 2 | 0.3 | 26-29 |
| | 40 | 6 | 0.7 | 22-29 |
| | 41 | 3 | 0.6 | 26-30 |
| | 42 | 1 | 0.2 | 26 |
| | 60 | 1 | + | 14 |
| | 62 | 1 | 0.1 | 22 |
| | 63 | 3 | 0.2 | 23-24 |
| | 64 | 1 | 0.1 | 22 |
| | 68 | 1 | 0.1 | 25 |
| | 69 | 2 | 0.2 | 7-32 |
| | | Otophidium taylori, spotted cusk-eel | | |
| Del-72-8 | 38 | 1 | 0.1 | 22 |
| Del-72-15 | 31 | 1 | 0.1 | 24 |
| | 40 | 1 | 0.1 | 25 |
| | | Rissola marginata, striped cusk-eel | | |
| D-69-15 | 41 | 1 | * | * |
| D-29-23 | 32 | 5 | * | 17-27 |
| D-69-29 | 7 | 2 | * | 21-25 |
| D-70-16 | 5 | 2 | 0.1 | 26-27 |
| D-71-11 | 17 | 1 | 0.1 | 21 |
| Del-71-3 | 26 | 1 | + | 17 |
| | 27 | 1 | 0.1 | 26 |
| | 36 | 4 | 0.6 | 24-29 |
| | 56 | 2 | 0.7 | 31-32 |
| | 57 | 4 | 0.8 | 24-31 |
| | | ZOARCIDAE | | |
| | | Macrozoarces americanus, ocean pout | | |
| D-69-9 | 68 | 1 | * | 39 |
| D-70-7 | 2 | 2 | 1.8 | 46-53 |
| D-70-16 | 25 | 1 | 0.6 | 51 |
| | 38 | 1 | 0.2 | 35 |
| D-71-3 | 40 | 3 | 0.7 | 44-47 |
| D-71-14 | 5 | 1 | 0.2 | 39 |
| | 14 | 3 | 1.0 | 16-47 |
| | | EXOCOETIDAE | | |
| | | Hyporhamphus unifasciatus, halfbeak | | |
| D-69-29 | 9 | 1 | * | 16 |
| Del-71-3 | 54 | 1 | + | 19 |
| | | ATHERINIDAE | | |
| | | Menidia menidia, Atlantic silverside | | |
| D-69-29 | 24 | 2 | * | 8-9 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Menidia menidia--Cont. | | |
| D-71-3 | 2 | 4 | + | 9-11 |
| | 13 | 1 | + | 10 |
| | 17 | 2 | * | * |
| | 35 | 1 | + | 9 |
| | | HOLOCENTRIDAE | | |
| | | Holocentrus rufus, longspine squirrelfish | | |
| Del-72-15 | 31 | 1 | 0.5 | 35 |
| | | Myripristis jacobus, blackbar soldierfish | | |
| Del-72-15 | 31 | 2 | 0.1 | 15-16 |
| | | ZEIDAE | | |
| | | Zenopsis ocellata, American john dory | | |
| Del-72-15 | 50 | 1 | + | 10 |
| | 65 | 8 | 0.3 | 7-11 |
| | | CAPROIDAE | | |
| | | Antigonia capros, deepbody boarfish | | |
| Del-72-15 | 50 | 1 | + | 5 |
| | | LOPHOTIDAE | | |
| | | Eumecichthys fiski, unicornfish | | |
| D-69-23 | 8 | 1 | * | 28 |
| | | FISTULARIIDAE | | |
| | | Fistularia tabacaria, bluespotted cornetfish | | |
| D-69-25 | 7 | 2 | * | 46-53 |
| | | CENTRISCIDAE | | |
| | | Macrorhamphosus scolopax, longspine snipefish | | |
| Del-72-8 | 6 | 8 | 0.1 | 10-13 |
| | | SYNGNATHIDAE | | |
| | | Hippocampus erectus, lined seahorse | | |
| D-69-29 | 11 | 1 | * | * |
| | 16 | 1 | * | * |
| | 18 | 1 | * | * |
| D-71-3 | 27 | 1 | + | 7 |
| Del-71-3 | 28 | 1 | + | 10 |
| | 35 | 1 | + | 13 |
| | 38 | 1 | + | 14 |
| Del-72-8 | 48 | 1 | + | 12 |
| Del-72-15 | 27 | 1 | + | 8 |
| | 56 | 1 | + | 14 |
| | | Syngnathus fuscus, northern pipefish | | |
| Del-71-3 | 44 | 1 | + | 28 |
| | | PERCICHTHYIDAE | | |
| | | Morone americana, white perch | | |
| D-69-15 | 13 | 3 | * | 17-19 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Morone americana*--Cont. | | | |
| D-69-29 | 13 | 2 | * | 9-14 |
| | 15 | 2 | * | 9-11 |
| | 24 | 30 | * | 10-18 |
| | 25 | 29 | 1.6 | 12-17 |
| | *Morone saxatilis*, striped bass | | | |
| D-69-25 | 13 | 1 | 8.8 | 97 |
| D-70-7 | 1 | 1 | 2.0 | 48 |
| D-71-3 | 2 | 1 | 3.2 | 68 |
| Del-71-3 | 65 | 1 | 1.7 | 54 |
| | SERRANIDAE | | | |
| | *Centropristis ocyurus*, bank sea bass | | | |
| Del-71-3 | 37 | 13 | 0.8 | 11-24 |
| Del-72-15 | 65 | 3 | 0.1 | 9 |
| | 69 | 1 | + | 6 |
| | *Centropristis philadelphica*, rock sea bass | | | |
| D-69-23 | 1 | 1 | * | * |
| | 11 | 11 | * | 8-20 |
| | 16 | 1 | * | * |
| D-69-29 | 8 | 1 | * | 11 |
| | 9 | 7 | * | 9-12 |
| | 10 | 2 | * | 12-13 |
| | 11 | 4 | * | 10 |
| | 13 | 4 | * | 10-11 |
| | 15 | 1 | 0.2 | 13 |
| | 18 | 1 | * | 7 |
| | 19 | 1 | * | 9 |
| | 20 | 1 | * | 14 |
| | 26 | 1 | * | 12 |
| D-71-3 | 12 | 1 | + | 11 |
| | 30 | 3 | 0.1 | 4-17 |
| | 33 | 1 | 0.1 | 14 |
| D-71-11 | 25 | 7 | 0.5 | 10-22 |
| Del-71-3 | 10 | 1 | 0.1 | 27 |
| | 12 | 1 | + | 11 |
| | 14 | 1 | 0.1 | 24 |
| | 22 | 4 | 0.1 | 11-16 |
| | 27 | 10 | 0.7 | 9-29 |
| | 29 | 1 | 0.1 | 17 |
| | 34 | 2 | 0.1 | 12-14 |
| | 35 | 15 | 0.6 | 11-17 |
| | 36 | 8 | 0.2 | 8-17 |
| | 40 | 1 | 0.1 | 27 |
| | 41 | 1 | + | 14 |
| | 42 | 4 | 0.3 | 16-27 |
| | 43 | 1 | 0.2 | 29 |
| | 44 | 1 | 0.1 | 14 |
| | 50 | 2 | 0.3 | 14-28 |
| | 54 | 24 | 0.5 | 9-14 |
| | 55 | 1 | 0.1 | 18 |
| | 58 | 1 | 0.1 | 24 |
| | 59 | 1 | 0.1 | 23 |
| Del-72-8 | 18 | 2 | 0.2 | 12-19 |
| | 36 | 1 | + | 13 |
| | 39 | 9 | 0.7 | 12-24 |
| | 43 | 3 | 0.1 | 10-14 |
| | 45 | 2 | 0.1 | 14-17 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Centropristis philadelphica--Cont. | | | |
| | 46 | 11 | 1.0 | 10-29 |
| | 54 | 1 | 0.1 | 18 |
| | 55 | 4 | 0.2 | 14-21 |
| Del-72-15 | 15 | 1 | 0.1 | 20 |
| | 22 | 2 | 0.1 | 13-16 |
| | 31 | 5 | 0.6 | 13-27 |
| | 39 | 1 | 0.1 | 19 |
| | 41 | 1 | 0.1 | 19 |
| | 43 | 1 | + | 12 |
| | 71 | 1 | 0.1 | 23 |
| | 77 | 1 | 0.1 | 15 |
| | Centropristis striata, black sea bass | | | |
| D-68-13 | 6 | 1 | * | * |
| | 12 | 21 | 3.6 | * |
| D-69-9 | 6 | 1 | * | * |
| | 11 | 1 | * | 27 |
| | 15 | * | * | * |
| | 26 | 1 | * | 23 |
| | 46 | 1 | * | 11 |
| | 48 | 1 | * | * |
| | 50 | 1 | * | * |
| | 53 | 1 | * | 25 |
| | 59 | 1 | * | * |
| | 61 | 4 | * | * |
| | 62 | 1 | * | 20 |
| | 68 | 2 | * | 22-42 |
| D-69-15 | 11 | 1 | * | 21 |
| | 14 | 2 | * | 21-25 |
| | 15 | 2 | * | 25-31 |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Centropristis striata--Cont. | | | |
| | 21 | 2 | * | 28-44 |
| | 23 | 13 | * | 20-34 |
| | 29 | 1 | * | 20 |
| | 56 | 2 | * | 20-25 |
| | 62 | 3 | * | 23-33 |
| D-69-21 | 2 | 1 | * | 14 |
| | 3 | 1 | * | 22 |
| D-69-23 | 1 | 39 | * | 12-31 |
| | 3 | 4 | * | 13-21 |
| | 4 | 2 | * | 19-21 |
| | 5 | 7 | * | 15-25 |
| | 6 | 1 | * | 23 |
| | 8 | 22 | * | 12-31 |
| | 10 | 3 | * | 14-17 |
| | 11 | 1 | * | 16 |
| | 18 | 35 | * | 14-21 |
| | 19 | 1 | * | * |
| | 22 | 3 | * | 13-16 |
| | 29 | 1 | * | 20 |
| | 30 | 1 | * | 27 |
| | 32 | 1 | * | 18 |
| D-69-29 | 1 | 2 | * | 27-31 |
| | 6 | 2 | * | 17-21 |
| | 7 | 4 | * | 20-24 |
| | 8 | 2 | * | 15-17 |
| | 9 | 2 | * | 14-17 |
| | 10 | 11 | * | 7-21 |
| | 11 | 10 | * | 8-22 |
| | 12 | 1 | * | 21 |
| | 13 | 3 | * | 14-15 |
| | 16 | 11 | * | 8-36 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Centropristis striata--Cont. | | |
| | 17 | 14 | * | 9-23 |
| | 18 | 28 | 3.6 | 9-32 |
| | 19 | 42 | 4.5 | 14-34 |
| D-70-16 | 28 | 1 | 0.3 | 30 |
| | 29 | 1 | 0.3 | 29 |
| | 35 | 1 | 0.2 | 29 |
| D-70-19 | 32 | 1 | 0.2 | 26 |
| D-71-3 | 9 | 1 | 0.1 | 13 |
| | 11 | 1 | 0.1 | 17 |
| | 12 | 17 | 2.2 | 11-28 |
| | 13 | 5 | 0.2 | 10-17 |
| | 14 | 7 | 0.6 | 7-20 |
| | 15 | 2 | + | 8-9 |
| | 16 | 2 | + | 6-8 |
| | 39 | 5 | + | 3-5 |
| D-71-11 | 2 | 1 | 0.2 | 27 |
| | 3 | 20 | 5.2 | 19-31 |
| | 6 | 9 | 2.0 | 21-31 |
| | 12 | 1 | 0.1 | 23 |
| | 22 | 2 | 0.2 | 15-21 |
| | 38 | 11 | 1.5 | 18-24 |
| | 40 | 5 | 0.2 | 15-19 |
| | 41 | 1 | 0.1 | 24 |
| | 44 | 1 | 0.1 | 17 |
| | 45 | 1 | + | 12 |
| Del-71-3 | 5 | 2 | 0.1 | 13-18 |
| | 6 | 33 | 5.0 | 16-38 |
| | 10 | 12 | 2.3 | 17-28 |
| | 12 | 5 | 0.5 | 18-21 |
| | 13 | 7 | 1.2 | 19-29 |
| | 14 | 4 | 0.5 | 16-23 |
| | 22 | 2 | 0.1 | 19-21 |
| | 27 | 15 | 3.3 | 12-45 |
| | 40 | 1 | 0.1 | 20 |
| | 49 | 1 | 0.1 | 23 |
| | 51 | 9 | 2.0 | 19-33 |
| | 55 | 13 | 2.9 | 17-37 |
| | 56 | 39 | 6.1 | 15-34 |
| | 57 | 79 | 10.0 | 12-42 |
| | 64 | 1 | + | 14 |
| | 65 | 1 | + | 20 |
| Del-72-8 | 9 | 5 | 0.5 | 14-21 |
| | 10 | 9 | 0.9 | 14-21 |
| | 11 | 1 | 0.1 | 14 |
| | 12 | 3 | 0.5 | 19-23 |
| | 16 | 26 | 4.1 | 12-31 |
| | 26 | 1 | 0.3 | 28 |
| | 39 | 2 | 0.1 | 14-18 |
| | 45 | 1 | 0.1 | 19 |
| | 46 | 1 | 0.1 | 23 |
| | 58 | 4 | 0.9 | 9-36 |
| | 59 | 1 | 0.7 | 37 |
| | 64 | 3 | 0.9 | 19-31 |
| | 67 | 1 | 0.2 | 26 |
| Del-72-15 | 4 | 1 | 0.1 | 26 |
| | 7 | 3 | 0.3 | 18-21 |
| | 17 | 65 | 12.5 | 16-39 |
| | 21 | 1 | 0.5 | 22 |
| | 60 | 1 | 0.1 | 13 |
| | 66 | 1 | + | 12 |
| | 67 | 17 | 1.5 | 10-24 |
| | 68 | 6 | 0.6 | 11-19 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Centropristis striata*--Cont. | | | |
| | 69 | 8 | 1.1 | 15-24 |
| | 70 | 25 | 2.8 | 14-30 |
| | 71 | 5 | 1.0 | 18-25 |
| | *Diplectrum formosum*, sand perch | | | |
| D-69-23 | 5 | 1 | * | 19 |
| | 14 | 3 | * | 19-23 |
| D-71-3 | 18 | 2 | 0.1 | 11-14 |
| | 20 | 1 | + | 9 |
| | 21 | 1 | 0.2 | 28 |
| | 23 | 1 | + | 12 |
| | 24 | 6 | 0.1 | 10-13 |
| | 25 | 37 | 3.1 | 10-28 |
| | 26 | 6 | 0.6 | 20-28 |
| | 27 | 1 | 0.1 | 15 |
| | 30 | 3 | 0.1 | 11-18 |
| | 31 | 53 | 3.4 | 9-25 |
| | 32 | 8 | 0.5 | 11-21 |
| | 33 | 14 | 0.6 | 12-19 |
| | 34 | 25 | 2.3 | 17-26 |
| D-71-11 | 26 | 6 | 0.7 | 21-23 |
| | 27 | 2 | 0.1 | 18-19 |
| | 28 | 17 | 1.9 | 19-23 |
| | 30 | 57 | 5.2 | 20-23 |
| | 31 | 12 | 0.7 | 16-20 |
| | 32 | 8 | 0.8 | 20-25 |
| | 33 | 3 | 0.6 | 22-26 |
| | 38 | 1 | 0.1 | 19 |
| | 39 | 3 | 0.8 | 27-29 |
| Del-71-3 | 17 | 10 | 1.7 | 24-26 |
| | 18 | 2 | 0.3 | 26 |
| | 25 | 7 | 0.9 | 13-25 |
| | 26 | 13 | 0.8 | 9-25 |
| | 27 | 14 | 0.8 | 12-27 |
| | 28 | 1 | 0.1 | 25 |
| | 29 | 14 | 1.1 | 19-27 |
| | 30 | 76 | 12.0 | 22-27 |
| | 31 | 44 | 7.7 | 23-29 |
| | 32 | 20 | 2.3 | 11-25 |
| | 33 | 5 | 0.6 | 16-26 |
| | 37 | 8 | 1.1 | 18-25 |
| | 38 | 22 | 2.5 | 23-26 |
| | 39 | 2 | 0.3 | 24-25 |
| | 43 | 23 | 3.5 | 18-27 |
| | 44 | 20 | 2.2 | 12-26 |
| | 45 | 21 | 3.5 | 19-27 |
| | 46 | 17 | 2.4 | 14-26 |
| | 49 | 4 | 0.5 | 23-26 |
| | 50 | 7 | 1.1 | 23-26 |
| | 51 | 1 | 0.1 | 24 |
| | 55 | 6 | 0.9 | 14-28 |
| Del-72-8 | 17 | 6 | 1.0 | 23-26 |
| | 21 | 1 | 0.1 | 16 |
| | 22 | 1 | + | 12 |
| | 24 | 9 | 1.1 | 16-27 |
| | 25 | 2 | 0.2 | 21-24 |
| | 29 | 13 | 1.2 | 16-26 |
| | 30 | 27 | 4.1 | 24-27 |
| | 31 | 14 | 2.3 | 24-27 |
| | 32 | 15 | 1.6 | 21-24 |
| | 33 | 16 | 1.0 | 16-22 |
| | 36 | 1 | + | 16 |
| | 37 | 4 | 0.5 | 19-23 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Diplectrum formosum*--Cont. | | | |
| | 38 | 6 | 1.0 | 23-27 |
| | 41 | 18 | 0.9 | 10-20 |
| | 42 | 24 | 2.3 | 13-26 |
| | 43 | 18 | 3.2 | 25-28 |
| | 44 | 30 | 4.5 | 23-26 |
| | 45 | 6 | 1.0 | 19-24 |
| | 46 | 40 | 5.9 | 23-28 |
| | 51 | 3 | + | 9-16 |
| | 52 | 2 | 0.1 | 13-15 |
| | 53 | 3 | 0.7 | 23-27 |
| | 54 | 1 | 0.1 | 23 |
| | 61 | 2 | 0.2 | 17-20 |
| | 62 | 4 | 0.8 | 25-28 |
| | 74 | 1 | 0.1 | 13 |
| Del-72-15 | 11 | 2 | 0.1 | 21-22 |
| | 12 | 2 | 0.2 | 25 |
| | 16 | 1 | 0.2 | 27 |
| | 24 | 1 | 0.1 | 26 |
| | 27 | 5 | 0.5 | 13-24 |
| | 28 | 3 | 0.2 | 17-18 |
| | 31 | 20 | 3.2 | 25-28 |
| | 32 | 8 | 1.1 | 23-27 |
| | 33 | 12 | 1.7 | 24-26 |
| | 34 | 4 | 0.6 | 25-26 |
| | 35 | 14 | 1.4 | 20-27 |
| | 36 | 26 | 2.7 | 17-26 |
| | 37 | 1 | 0.1 | 16 |
| | 40 | 5 | 0.9 | 25-26 |
| | 41 | 5 | 0.6 | 22-25 |
| | 42 | 2 | 0.1 | 19-20 |
| | 45 | 3 | 0.2 | 12-17 |
| | 46 | 14 | 1.9 | 23-28 |
| | 47 | 17 | 2.7 | 24-27 |
| | 48 | 50 | 8.8 | 24-27 |
| | 49 | 2 | 0.3 | 25-26 |
| | 52 | 5 | 0.9 | 24-26 |
| | 53 | 2 | 0.3 | 25 |
| | 54 | 4 | 0.6 | 22-26 |
| | 55 | 4 | 0.3 | 23-25 |
| | 56 | 11 | 0.8 | 17-21 |
| | 57 | 10 | 0.6 | 15-20 |
| | 60 | 2 | 0.2 | 16 |
| | 61 | 1 | 0.1 | 21 |
| | 62 | 3 | 0.6 | 22-27 |
| | 63 | 3 | 0.5 | 23-27 |
| | 70 | 1 | 0.2 | 26 |
| | 71 | 4 | 0.9 | 25-29 |
| | *Serranus phoebe*, tattler | | | |
| Del-72-8 | 70 | 7 | 0.2 | 11-17 |
| | PRIACANTHIDAE | | | |
| | *Priacanthus arenatus*, bigeye | | | |
| Del-71-3 | 21 | 1 | + | 5 |
| | 43 | 1 | 0.1 | 25 |
| Del-72-15 | 13 | 1 | 1.4 | 45 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | APOGONIDAE | | |
| | | Apogon maculatus, flamefish | | |
| Del-71-3 | 29 | 1 | 0.1 | 15 |
| | 56 | 1 | + | 6 |
| | | Apogon pseudomaculatus, twospot cardinalfish | | |
| Del-71-3 | 27 | 2 | + | 6-7 |
| | | POMATOMIDAE | | |
| | | Pomatomus saltatrix, bluefish | | |
| D-68-13 | 5 | * | * | * |
| | 10 | 2 | * | * |
| | 15 | 6 | * | 21 |
| | 16 | 1 | * | 21 |
| | 27 | 12 | * | 16-24 |
| | 34 | 6 | 0.5 | 20-23 |
| | 49 | 17 | * | 23 |
| | 50 | 46 | * | 26-30 |
| | 51 | * | * | * |
| D-69-9 | 60 | 9 | * | 8-17 |
| D-69-15 | 48 | 1 | * | * |
| | 62 | 1 | * | 42 |
| D-69-23 | 4 | 2 | * | 18 |
| | 9 | 13 | * | 17-26 |
| | 10 | 15 | * | 17-22 |
| | 18 | 45 | * | * |
| | 19 | 1 | * | * |
| | 25 | 23 | * | 19-25 |
| | 28 | 1 | * | 23 |
| D-69-25 | 1 | 2 | * | * |
| | 8 | 3 | * | * |
| | 9 | 5 | * | * |
| | 10 | 9 | * | 20-40 |
| | 11 | 4 | * | 40-45 |
| | 12 | 6 | * | 21-25 |
| | 13 | 10 | * | * |
| D-69-29 | 2 | 3 | * | 22-28 |
| | 3 | 1 | * | 13 |
| | 4 | 1 | * | * |
| | 5 | 6 | 1.4 | 21-27 |
| | 17 | 1 | * | 23 |
| | 21 | 2 | * | 22-24 |
| | 22 | 2 | * | 22-24 |
| D-70-16 | 22 | 1 | + | 8 |
| D-71-3 | 14 | 5 | 0.3 | 20-22 |
| | 30 | 2 | + | 3 |
| D-71-11 | 7 | 1 | 0.3 | 37 |
| | 21 | 1 | 0.1 | 15 |
| | 22 | 3 | 0.6 | 27-28 |
| | 23 | 5 | 0.7 | 17-28 |
| | 24 | 1 | + | 19 |
| | 29 | 1 | 0.1 | 25 |
| | 37 | 1 | 0.2 | 31 |
| | 47 | 2 | 0.7 | 21-30 |
| D-71-14 | 1 | 23 | 0.1 | 6-7 |
| Del-71-2 | 1 | 20 | 0.8 | 12-21 |
| | 2 | 1 | 1.4 | 50 |
| Del-71-3 | 1 | 26 | 1.5 | 14-27 |
| | 2 | 3 | 0.1 | 12-16 |
| | 7 | 2 | 0.3 | 25-28 |
| | 42 | 1 | 0.1 | 28 |
| | 48 | 1 | 0.1 | 27 |
| | 63 | 5 | 10.4 | 49-63 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Pomatomus saltatrix*--Cont. | | | |
| | 66 | 1 | 0.1 | 21 |
| | 68 | 1 | 5.3 | 80 |
| Del-72-8 | 36 | 1 | 0.1 | 32 |
| | 40 | 19 | 1.5 | 19-22 |
| Del-72-15 | 1 | 2 | 0.1 | 20-26 |
| | 29 | 1 | 0.1 | 21 |
| | 37 | 5 | 0.9 | 16-18 |
| | 41 | 2 | 0.5 | 32-34 |
| | 66 | 2 | 0.2 | 20-23 |
| | RACHYCENTRIDAE | | | |
| | *Rachycentron canadum*, cobia | | | |
| D-69-23 | 10 | 1 | * | 22 |
| | 12 | 2 | 7.7 | 61-91 |
| Del-71-3 | 29 | 3 | 17.2 | 84-96 |
| | 45 | 1 | 0.6 | 40 |
| Del-72-8 | 53 | 1 | 15.9 | 126 |
| Del-72-15 | 16 | 2 | 7.5 | 79-83 |
| | ECHENEIDAE | | | |
| | *Echeneis naucrates*, sharksucker | | | |
| Del-71-3 | 20 | 1 | 2.3 | 90 |
| | 29 | 2 | 3.2 | 74-87 |
| | 43 | 1 | 0.1 | 36 |
| Del-72-8 | 34 | 1 | 0.2 | 28 |
| | 45 | 1 | 2.7 | 83 |
| Del-72-15 | 36 | 1 | 0.6 | 48 |
| | 40 | 2 | 2.3 | 56-69 |
| | 41 | 2 | 0.9 | 45-57 |
| | *Remora remora*, remora | | | |
| D-71-11 | 26 | 1 | 0.1 | 34 |
| | CARANGIDAE | | | |
| | *Alectis crinitus*, African pompano | | | |
| D-69-23 | 4 | 1 | * | 10 |
| | 38 | 1 | + | 9 |
| | *Caranx crysos*, blue runner | | | |
| D-69-23 | 4 | 1 | * | 11 |
| | 25 | 5 | * | 16-19 |
| | 35 | 2 | * | 20 |
| D-69-29 | 4 | 5 | * | 12-16 |
| | 7 | 1 | * | 15 |
| D-71-3 | 33 | 1 | 0.1 | 19 |
| D-71-11 | 22 | 3 | 0.1 | 13-16 |
| | 23 | 4 | 0.1 | 12-13 |
| | 24 | 1 | + | 13 |
| Del-71-3 | 9 | 3 | 0.5 | 15-21 |
| | 14 | 1 | 0.1 | 21 |
| | 23 | 2 | 0.1 | 15-17 |
| | 32 | 2 | 0.1 | 16-19 |
| | 39 | 1 | 0.1 | 18 |
| | 40 | 38 | 5.0 | 18-22 |
| | 42 | 2 | 0.1 | 18-19 |
| | 45 | 2 | 0.1 | 16-17 |
| | 58 | 1 | 0.1 | 20 |
| | 59 | 1 | 0.1 | 18 |
| Del-72-15 | 44 | 1 | 0.1 | 25 |
| | 45 | 1 | 0.2 | 25 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Caranx hippos*, crevalle jack | | | |
| D-68-13 | 12 | 1 | * | * |
| | 15 | * | * | * |
| | 16 | 7 | * | 14-16 |
| | 17 | 8 | * | 14-16 |
| | 22 | * | * | * |
| | 25 | * | * | * |
| | 44 | 2 | * | * |
| D-69-23 | 19 | 1 | * | 11 |
| Del-71-3 | 35 | 1 | 0.1 | 18 |
| | *Chloroscombrus chrysurus*, Atlantic bumper | | | |
| D-71-3 | 29 | 2 | + | 8-9 |
| D-71-11 | 25 | 10 | 0.2 | 13-29 |
| | 27 | 65 | 7.3 | 15-24 |
| | 28 | 4 | 0.3 | 18-22 |
| | 31 | 4 | 0.2 | 18-22 |
| | 32 | 1 | + | 17 |
| | 37 | 2 | + | 17-18 |
| | 40 | 2 | 0.1 | 19 |
| Del-71-3 | 23 | 4 | 0.1 | 9-12 |
| | 33 | 9 | 0.3 | 13-15 |
| | 34 | 10 | 0.1 | 7-12 |
| | 35 | 13 | 0.2 | 7-14 |
| | 40 | 103 | 3.1 | 11-16 |
| | 41 | 68 | 0.6 | 5-15 |
| | 42 | 13 | 0.1 | 7-15 |
| Del-72-8 | 35 | 1 | + | 11 |
| Del-72-15 | 29 | 11 | 0.3 | 12-22 |
| | 37 | 88 | 4.1 | 13-23 |
| | 44 | 7 | 0.1 | 13-17 |
| | 45 | 45 | 1.7 | 12-21 |
| | 57 | 29 | 1.4 | 14-24 |
| | 58 | 12 | 0.8 | 13-22 |
| | *Decapterus macarellus*, mackerel scad | | | |
| D-68-13 | 51 | * | * | * |
| D-69-25 | 11 | 2 | * | 13-15 |
| | 12 | 1 | * | * |
| D-70-19 | 2 | 1 | 0.1 | 9 |
| D-71-3 | 18 | 1 | + | 16 |
| D-71-11 | 28 | 2 | 0.1 | * |
| | 42 | 1 | + | 8 |
| D-71-14 | 1 | 5 | + | 6-7 |
| | *Decapterus punctatus*, round scad | | | |
| D-68-13 | 4 | * | * | * |
| | 11 | 1 | * | * |
| | 42 | * | * | * |
| D-71-3 | 25 | 1 | + | 16 |
| | 26 | 67 | 2.4 | 12-17 |
| | 27 | 2 | 0.1 | 14-16 |
| | 31 | 2 | 0.1 | 16-17 |
| | 32 | 2 | 0.1 | 16-17 |
| D-71-11 | 19 | 120 | 1.4 | 8-11 |
| | 20 | 1 | + | 13 |
| | 25 | 1 | + | 17 |
| | 28 | 285 | 7.7 | 11-17 |
| | 30 | 1 | + | 15 |
| | 35 | 2 | + | 14-15 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Decapterus punctatus--Cont. | | | |
| D-71-14 | 8 | 1 | + | 11 |
| Del-71-2 | 3 | 2 | + | 12 |
| Del-71-3 | 18 | 99 | 5.9 | 16-20 |
| | 25 | 64 | 2.5 | 13-18 |
| | 26 | 3 | + | 10-14 |
| | 29 | 104 | 5.0 | 12-19 |
| | 33 | 59 | 1.8 | 13-18 |
| | 40 | 3 | 0.1 | 17 |
| | 49 | 1 | + | 18 |
| Del-72-8 | 9 | 15 | 0.7 | 16-19 |
| | 14 | 6 | 0.1 | 14-17 |
| | 16 | 1 | + | 19 |
| | 17 | 1 | + | 18 |
| | 18 | 2 | + | 11 |
| | 20 | 1 | + | 15 |
| | 22 | 1 | + | 12 |
| | 29 | 73 | 1.4 | 8-17 |
| | 34 | 5 | 0.2 | 14-18 |
| | 39 | 4 | 0.1 | 24-26 |
| | 40 | 3 | 0.1 | 12-16 |
| | 41 | 325 | 11.8 | 11-16 |
| | 46 | 7 | 0.1 | 10-16 |
| | 48 | 1 | + | 18 |
| | 49 | 4 | 0.1 | 16-18 |
| | 50 | 8 | 0.2 | 13-17 |
| | 67 | 1 | + | 19 |
| Del-72-15 | 7 | 17 | 1.4 | 16-23 |
| | 8 | 17 | 0.8 | 15-20 |
| | 9 | 15 | 0.7 | 13-20 |
| | 11 | 9 | 0.3 | 16-18 |
| | 18 | 256 | 10.4 | 13-18 |
| | 20 | 34 | 1.5 | 13-19 |
| | 28 | 130 | 3.3 | 11-18 |
| | 29 | 1 | + | 13 |
| | 36 | 129 | 2.0 | 9-16 |
| | 41 | 1 | + | 16 |
| | 45 | 21 | 0.7 | 13-19 |
| | 46 | 13 | 0.5 | 12-18 |
| | 57 | 24 | 0.9 | 14-18 |
| | 64 | 4 | 0.1 | 12-15 |
| | 71 | 2 | + | 16-19 |
| | 74 | 1 | + | 5 |
| | Selar crumenophthalmus, bigeye scad | | | |
| D-68-13 | 8 | 36 | * | 14-17 |
| | 11 | 1 | * | * |
| | 15 | 1 | * | 14 |
| | 16 | 1 | * | 14 |
| | 50 | 3 | * | * |
| D-69-23 | 9 | * | * | 10-18 |
| | 10 | 6 | * | 10-16 |
| | 16 | 1 | * | 10 |
| | 18 | 2 | * | 17-20 |
| | 25 | 4 | * | 13-16 |
| | 28 | 1 | * | 15 |
| D-69-25 | 8 | 1 | * | 15 |
| | 12 | 3 | * | * |
| D-70-19 | 15 | 1 | + | 8 |
| D-71-11 | 28 | 7 | 0.2 | 11-12 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Selene vomer*, lookdown | | | |
| D-68-13 | 3 | 15 | * | * |
| | 7 | 6 | * | * |
| | 8 | 12 | * | 10 |
| | 16 | 1 | * | 9 |
| | 21 | 1 | * | * |
| | 42 | * | * | * |
| | 47 | * | * | * |
| D-69-23 | 4 | 5 | * | 13-15 |
| Del-71-3 | 42 | 1 | 0.1 | 17 |
| | *Seriola dumerili*, greater amberjack | | | |
| D-68-13 | 12 | 3 | * | 27-29 |
| | *Seriola zonata*, banded rudderfish | | | |
| D-69-23 | 15 | 1 | * | 24 |
| Del-71-3 | 57 | 1 | 0.2 | 25 |
| | 59 | 1 | 0.1 | 24 |
| Del-72-8 | 30 | 1 | 0.1 | 20 |
| Del-72-15 | 17 | 2 | 0.7 | 29-32 |
| | 46 | 2 | 0.2 | 19-21 |
| | *Trachinotus carolinus*, Florida pompano | | | |
| D-68-13 | 10 | 2 | * | * |
| D-69-23 | 4 | 63 | * | 18-22 |
| | 10 | 1 | * | 19 |
| Del-71-3 | 42 | 6 | 1.4 | 20-30 |
| Del-72-15 | 58 | 1 | 0.3 | 32 |
| | *Trachurus lathami*, rough scad | | | |
| D-68-13 | 7 | 8 | * | * |
| | 8 | 12 | * | 15 |
| | 9 | * | * | * |
| | 12 | 34 | * | * |
| | 15 | 6 | * | 11 |
| | 16 | 1 | * | 15 |
| | 17 | 1 | * | 14 |
| | 42 | * | * | * |
| | 43 | 12 | * | * |
| | 44 | 2 | * | * |
| | 45 | 11 | * | * |
| | 46 | * | * | * |
| | 50 | 39 | * | * |
| | 51 | * | * | * |
| D-69-23 | 25 | 1 | * | 13 |
| D-69-25 | 2 | 2 | * | 12-13 |
| | 10 | 1 | * | 13 |
| D-71-11 | 19 | 135 | 3.1 | 11-14 |
| | 20 | 2 | + | 12 |
| | 28 | 2 | 0.1 | 12-13 |
| Del-71-3 | 9 | 2 | 0.1 | 15-16 |
| | *Vomer setapinnis*, Atlantic moonfish | | | |
| D-68-7 | 14 | 2 | * | * |
| D-68-13 | 10 | 1 | * | * |
| | 23 | * | * | * |
| | 25 | * | * | * |
| | 32 | * | * | * |
| | 38 | * | * | * |
| | 46 | 1 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Vomer setapinnis*--Cont. | | | |
| D-69-23 | 9 | 19 | * | 4-11 |
| | 10 | 1 | * | 11 |
| D-69-25 | 13 | 1 | * | * |
| D-69-29 | 13 | 1 | * | 5 |
| | 20 | 4 | * | 4-7 |
| | 22 | 1 | * | 10 |
| | 23 | 1 | * | 10 |
| | 24 | 1 | * | 5 |
| D-71-11 | 21 | 1 | + | 7 |
| | 25 | 1 | + | 18 |
| | 27 | 3 | 0.2 | 21-23 |
| Del-71-2 | 1 | 1 | + | 5 |
| Del-71-3 | 1 | 4 | + | 5-6 |
| | 23 | 4 | 0.1 | 10-13 |
| | 34 | 1 | + | 12 |
| | 35 | 1 | + | 8 |
| | 42 | 60 | 0.5 | 5-10 |
| Del-72-8 | 40 | 2 | + | 13-14 |
| Del-72-15 | 37 | 1 | 0.1 | 16 |
| | 44 | 2 | + | 11-14 |
| | 45 | 2 | 0.1 | 18-21 |
| | LUTJANIDAE | | | |
| | *Lutjanus campechanus*, red snapper | | | |
| D-69-23 | 4 | 1 | * | 18 |
| | *Rhomboplites aurorubens*, vermilion snapper | | | |
| Del-71-3 | 27 | 23 | 1.5 | 16-23 |
| | 29 | 150 | 11.1 | 9-27 |
| | *Rhomboplites aurorubens*--Cont. | | | |
| | 36 | 3 | 0.1 | 9-17 |
| | 44 | 3 | 0.3 | 19-23 |
| Del-72-8 | 18 | 11 | 0.3 | 8-10 |
| | 27 | 2 | 0.5 | 27 |
| | 29 | 6 | 0.1 | 9-12 |
| | 39 | 2 | + | 10 |
| | 43 | 1 | 0.1 | 21 |
| | 45 | 47 | 5.9 | 13-25 |
| | 46 | 4 | 0.2 | 9-20 |
| Del-72-15 | 36 | 3 | 0.6 | 21-24 |
| | 71 | 9 | 1.2 | 18-26 |
| | GERREIDAE | | | |
| | *Eucinostomus* sp. | | | |
| D-68-13 | 2 | 6 | * | 7-8 |
| | 4 | * | * | * |
| | 7 | 10 | * | * |
| | 17 | 6 | * | 8-12 |
| | 32 | * | * | * |
| | 42 | * | * | * |
| | 44 | 1 | * | * |
| | 45 | * | * | * |
| D-69-23 | 9 | 1 | * | 7 |
| | 10 | 3 | * | * |
| | 11 | 1 | * | 7 |
| | 16 | 4 | * | 6-8 |
| D-69-29 | 6 | 2 | * | 7-9 |
| | 11 | 1 | * | 8 |
| | 17 | 1 | * | 7 |
| | 26 | 1 | * | 8 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Eucinostomus* sp.--Cont. | | | |
| D-71-3 | 33 | 38 | 0.8 | 9-13 |
| Del-71-3 | 33 | 1 | + | 10 |
| | 40 | 11 | 0.5 | 9-13 |
| | 42 | 1 | + | 7 |
| | 54 | 1 | + | 9 |
| Del-72-15 | 42 | 2 | 0.1 | 11-14 |
| | POMADASYIDAE | | | |
| | *Haemulon aurolineatum*, tomtate | | | |
| D-69-23 | 1 | 65 | * | 14-21 |
| | 3 | 11 | * | 17-20 |
| | 4 | 2 | * | 18-22 |
| | 8 | 3 | * | 16-19 |
| D-69-29 | 17 | 1 | * | 18 |
| | 18 | 17 | 2.7 | 17-22 |
| | 19 | 48 | 6.4 | 15-21 |
| Del-71-3 | 13 | 17 | 2.2 | 16-23 |
| | 14 | 14 | 2.0 | 20-25 |
| | 15 | 1 | 0.1 | 22 |
| | 18 | 10 | 1.2 | 20-22 |
| | 27 | 388 | 29.0 | 9-27 |
| | 29 | 130 | 7.1 | 8-27 |
| | 36 | 17 | 0.1 | 7-19 |
| | 55 | 40 | 5.4 | 15-26 |
| | 56 | 45 | 4.5 | 14-27 |
| | 57 | 69 | 9.8 | 14-26 |
| Del-72-8 | 7 | 1 | + | 11 |
| | 8 | * | * | * |
| | 9 | 65 | 9.1 | 18-25 |
| | 10 | 40 | 5.4 | 18-26 |
| | *Haemulon aurolineatum*--Cont. | | | |
| | 16 | 1 | 0.2 | 25 |
| | 29 | 125 | 3.4 | 9-14 |
| | 38 | 4 | 0.1 | 12-14 |
| | 39 | 14 | 0.2 | 10-14 |
| | 43 | 4 | 0.2 | 13 |
| | 45 | 46 | 4.2 | 11-25 |
| | 46 | 19 | 2.0 | 13-25 |
| Del-72-15 | 17 | 350 | 47.6 | 15-25 |
| | 31 | 12 | 1.2 | 16-25 |
| | 38 | 88 | 12.2 | 11-25 |
| | 39 | 2 | 0.1 | 11-12 |
| | 68 | 14 | 1.7 | 14-25 |
| | 69 | 370 | 38.6 | 14-23 |
| | 70 | 162 | 19.1 | 14-23 |
| | 71 | 800 | 65.3 | 12-23 |
| | *Haemulon carbonarium*, caesar grunt | | | |
| D-69-29 | 7 | 1 | * | 16 |
| | 20 | 1 | * | 18 |
| D-71-11 | 38 | 108 | 12.2 | 15-23 |
| | 39 | 5 | 0.6 | 19-22 |
| | 40 | 27 | 2.6 | 16-24 |
| Del-72-8 | 8 | * | * | * |
| | *Haemulon plumieri*, white grunt | | | |
| Del-71-3 | 56 | 6 | 1.4 | 10-33 |
| Del-72-15 | 70 | 1 | 0.9 | 38 |
| | 71 | 5 | 2.9 | 28-39 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Orthopristis chrysoptera, pigfish | | | |
| D-68-13 | 2 | 100 | 3.3 | 11 |
| | 3 | 250 | 4.5 | 7-12 |
| | 4 | 346 | 11.3 | 9-17 |
| | 6 | 5 | 0.1 | * |
| | 7 | 24 | * | 7-13 |
| | 8 | 66 | * | 12-15 |
| | 9 | 229 | * | 11-14 |
| | 10 | 6 | * | * |
| | 11 | 17 | 2.0 | * |
| | 12 | 21 | 2.5 | 17-20 |
| | 15 | 27 | * | 10-15 |
| | 16 | 15 | 0.7 | 10-12 |
| | 17 | 12 | * | 10-13 |
| | 18 | * | * | * |
| | 19 | * | * | * |
| | 21 | 1 | * | * |
| | 22 | * | * | * |
| | 23 | * | * | * |
| | 24 | * | * | * |
| | 25 | * | * | * |
| | 29 | * | * | * |
| | 30 | * | * | * |
| | 31 | * | * | * |
| | 32 | * | * | * |
| | 36 | * | * | * |
| | 37 | * | * | * |
| | 38 | * | * | * |
| | 39 | * | * | * |
| | 43 | 36 | * | * |
| | 44 | 41 | * | * |
| | 45 | * | * | * |
| | 46 | * | * | * |
| | 47 | * | * | * |
| | 49 | * | * | * |
| | 50 | 57 | * | * |
| | 51 | * | * | * |
| | 54 | * | * | * |
| D-69-9 | 7 | 1 | * | * |
| | 11 | * | * | * |
| | 14 | * | * | * |
| | 15 | 20 | * | * |
| | 16 | 40 | * | * |
| | 17 | 12 | * | * |
| | 18 | 30 | * | * |
| | 19 | 20 | * | * |
| | 20 | * | * | * |
| | 21 | 100 | * | * |
| | 22 | 10 | * | * |
| | 23 | * | * | * |
| | 26 | 1 | * | * |
| | 27 | 6 | * | * |
| | 30 | 15 | * | * |
| | 31 | 30 | * | * |
| | 32 | 8 | * | * |
| | 33 | 20 | * | * |
| | 34 | 10 | * | * |
| | 35 | 5 | * | * |
| | 37 | 50 | * | * |
| | 38 | 50 | * | * |
| | 39 | 12 | * | * |
| | 40 | 40 | * | * |
| | 41 | 20 | * | * |
| | 42 | 10 | * | * |
| | 46 | 60 | * | 13-22 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) | Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|---|---|---|---|---|
| | Orthopristis chrysoptera--Cont. | | | | | Orthopristis chrysoptera--Cont. | | | |
| | 47 | 25 | * | * | | 20 | 3 | * | 12-18 |
| | 48 | 50 | * | * | | 21 | 9 | * | 10-14 |
| | 50 | 100 | * | * | | 22 | 14 | * | 9-14 |
| | 51 | 15 | * | * | | 23 | 42 | * | 8-15 |
| | 52 | 10 | * | * | | 24 | 5 | * | 11-12 |
| | 53 | 15 | * | * | | 25 | 1 | * | 13 |
| | 54 | 10 | * | * | | 26 | 15 | * | 10-17 |
| | 55 | 5 | * | * | | 27 | 96 | * | 10-19 |
| | 57 | 8 | * | * | D-71-3 | 33 | 2 | 0.2 | 19 |
| D-69-23 | 1 | 8 | * | 18-22 | D-71-11 | 17 | 1 | 0.1 | 16 |
| | 3 | 18 | * | 17-22 | | 18 | 7 | 0.6 | 15-18 |
| | 4 | 26 | * | 9-12 | | 21 | 11 | 0.9 | 13-21 |
| | 8 | 1 | * | 22 | | 22 | 16 | 1.5 | 15-23 |
| | 9 | 11 | * | 9-16 | | 23 | 14 | 1.0 | 14-18 |
| | 10 | 76 | * | 10-20 | | 36 | 6 | 1.0 | 17-26 |
| | 11 | 124 | * | 10-15 | | 40 | 39 | 5.2 | 11-22 |
| | 12 | 28 | * | 11-14 | | 46 | 4 | 0.5 | 17-20 |
| | 14 | 5 | * | 17 | Del-71-3 | 7 | 99 | 5.2 | 10-20 |
| | 15 | 1 | * | 13 | | 12 | 9 | 1.1 | 16-23 |
| | 16 | 44 | * | 9-16 | | 13 | 2 | 0.3 | 20-21 |
| | 22 | 5 | * | 15-17 | | 22 | 6 | 1.0 | 16-23 |
| D-69-29 | 6 | 5 | * | 13-20 | | 35 | 3 | 0.3 | 17-22 |
| | 7 | 4 | * | 13-19 | | 42 | 3 | 0.2 | 14-16 |
| | 8 | 1 | * | 12 | | 56 | 15 | 1.1 | 14-23 |
| | 9 | 3 | * | 10-15 | | 57 | 30 | 6.6 | 18-32 |
| | 10 | 2 | * | 17-18 | | 58 | 33 | 2.0 | 13-20 |
| | 11 | 2 | * | 12 | | 59 | 23 | 2.9 | 13-26 |
| | 12 | 3 | * | 12-13 | Del-72-8 | 8 | * | * | * |
| | 16 | 6 | * | 15-19 | | 9 | 14 | 1.8 | 18-24 |
| | 17 | 3 | * | 17-21 | | 16 | 1 | 0.1 | 12 |
| | 18 | 37 | 4.5 | 14-23 | | 17 | 3 | 0.3 | 21-22 |
| | 19 | 46 | 5.0 | 10-23 | | | | | |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Orthopristis chrysoptera--Cont. | | | |
| Del-72-15 | 1 | 1 | 0.1 | 14 |
| | 7 | 8 | 1.1 | 20-25 |
| | 8 | 23 | 2.0 | 15-24 |
| | 9 | 7 | 1.1 | 16-22 |
| | 17 | 4 | 0.5 | 21-22 |
| | 66 | 1 | 0.2 | 21 |
| | 67 | 1 | 0.1 | 21 |
| | 68 | 4 | 0.3 | 16-22 |
| | 69 | 9 | 1.1 | 16-24 |
| | 76 | 6 | 0.7 | 20-22 |
| | 77 | 3 | 0.1 | 13 |
| | SPARIDAE | | | |
| | Archosargus probatocephalus, sheepshead | | | |
| D-68-13 | 8 | 1 | * | 52 |
| | 21 | 1 | 2.3 | * |
| | 22 | 1 | 2.3 | 46 |
| D-69-9 | 9 | 2 | 10.9 | 52-59 |
| | 11 | 2 | * | 51-57 |
| | 48 | 1 | * | * |
| | 51 | 1 | * | * |
| D-69-29 | 7 | 1 | 3.2 | 50 |
| | 16 | 1 | * | 19 |
| Del-71-3 | 7 | 1 | 6.2 | 66 |
| | 27 | 2 | 4.1 | 46-47 |
| | 59 | 1 | 0.6 | 30 |
| Del-72-8 | 58 | 1 | 2.8 | 53 |
| Del-72-15 | 7 | 5 | 11.8 | 46-52 |
| | 8 | 1 | 2.5 | 51 |
| | 19 | 2 | 5.9 | 51-55 |
| | Calamus bajonado, jolthead porgy | | | |
| Del-71-3 | 56 | 18 | 9.5 | 9-38 |
| | 57 | 9 | 2.6 | 8-37 |
| Del-72-8 | 9 | 1 | 0.5 | 31 |
| | 10 | 16 | 5.9 | 21-31 |
| | 27 | 1 | 1.1 | 43 |
| | 58 | 1 | 0.7 | 39 |
| | Calamus calamus, saucereye porgy | | | |
| D-71-11 | 38 | 13 | 6.8 | 26-36 |
| | 40 | 16 | 7.0 | 14-34 |
| Del-71-3 | 12 | 1 | 0.8 | 36 |
| | 13 | 1 | 0.1 | 20 |
| | 14 | 9 | 1.4 | 10-30 |
| | 22 | 1 | + | 11 |
| | 51 | 1 | 0.5 | 31 |
| | Calamus leucosteus, whitebone porgy | | | |
| Del-72-8 | 9 | 1 | 0.1 | 14 |
| | 10 | 2 | 0.1 | 17-19 |
| | 39 | 1 | 0.1 | 18 |
| | 59 | 1 | 0.3 | 30 |
| | 67 | 4 | 1.4 | 21-38 |
| | 68 | 3 | 2.7 | 35-40 |
| Del-72-15 | 17 | 21 | 6.8 | 13-35 |
| | 31 | 1 | 0.7 | 36 |
| | 49 | 3 | 1.1 | 17-32 |
| | 67 | 43 | 27.2 | 23-40 |
| | 69 | 16 | 5.9 | 19-32 |
| | 70 | 44 | 10.0 | 12-31 |
| | 71 | 13 | 5.0 | 12-34 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| *Diplodus holbrooki*, spottail pinfish | | | | |
| D-69-23 | 1 | 1 | * | * |
| Del-71-3 | 27 | 1 | 0.6 | 32 |
| | 57 | 9 | 2.7 | 20-31 |
| | 59 | 2 | 0.1 | 13-17 |
| Del-72-8 | 10 | 4 | 0.9 | 21-26 |
| Del-72-15 | 17 | 19 | 5.7 | 20-28 |
| | 69 | 1 | 0.3 | 25 |
| | 71 | 2 | 0.6 | 21-25 |
| *Lagodon rhomboides*, pinfish | | | | |
| D-68-13 | 2 | 5 | * | 9-12 |
| | 3 | 50 | 1.4 | 5-10 |
| | 4 | * | * | * |
| | 5 | 501 | 6.6 | * |
| | 6 | 250 | 6.8 | 5-10 |
| | 7 | 150 | * | 5-10 |
| | 8 | 36 | * | 10-16 |
| | 9 | 18 | * | 12-16 |
| | 10 | 1,010 | * | 8-10 |
| | 11 | 1 | * | * |
| | 12 | 1 | * | 15 |
| | 15 | 9 | * | 13 |
| | 16 | 7 | * | 9-16 |
| | 17 | 1 | * | 9 |
| | 26 | * | * | * |
| | 32 | * | * | * |
| | 33 | * | * | * |
| | 36 | * | * | * |
| | 43 | 24 | * | * |
| | 44 | 2 | * | * |
| | 45 | 14 | * | 13-14 |
| | 46 | * | * | * |
| | 47 | * | * | * |
| | 49 | * | * | * |
| | 50 | 6 | * | * |
| | 51 | * | * | * |
| D-69-9 | 23 | 24 | * | * |
| | 39 | 15 | * | * |
| | 40 | 6 | * | * |
| | 51 | 10 | * | * |
| | 52 | 10 | * | * |
| D-69-23 | 3 | 1 | * | 17 |
| | 4 | 150 | * | 12-18 |
| | 9 | * | * | 10-15 |
| | 10 | 3 | * | 10-14 |
| | 11 | 129 | * | * |
| | 18 | 45 | * | 15-22 |
| D-69-29 | 2 | 3 | * | 14 |
| | 5 | 1 | * | 12 |
| | 6 | 1 | * | 14 |
| | 7 | 3 | * | 3-14 |
| | 9 | 4 | * | 12-14 |
| | 10 | 2 | * | 12-15 |
| | 11 | 2 | * | 13-14 |
| | 12 | 2 | * | 13 |
| | 14 | 2 | * | 12 |
| | 16 | 8 | * | 10-15 |
| | 17 | 19 | * | 13-16 |
| | 18 | 7 | * | 13-16 |
| | 19 | 1 | * | 15 |
| | 21 | 17 | * | 10-13 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Lagodon rhomboides*--Cont. | | | |
| | 22 | 1 | * | 13 |
| | 23 | 5 | * | 14-16 |
| | 24 | 2 | * | 9-13 |
| | 25 | 1 | * | 10 |
| D-71-3 | 6 | 2 | 0.1 | 11-14 |
| | 7 | 10 | 0.3 | 10-16 |
| | 8 | 106 | 3.4 | 9-16 |
| | 9 | 19 | 0.8 | 10-16 |
| | 11 | 3 | + | 12-15 |
| | 12 | 60 | 1.1 | 9-18 |
| | 13 | 26 | 0.6 | 8-15 |
| | 14 | 210 | 5.0 | 9-13 |
| | 15 | 3 | + | 10-13 |
| | 16 | 3 | + | 9-11 |
| | 18 | 1 | 0.1 | 19 |
| | 33 | 14 | 1.0 | 15-17 |
| | 36 | 1 | + | 10 |
| | 37 | 13 | 0.2 | 9-12 |
| | 38 | 46 | 1.0 | 10-16 |
| D-71-11 | 21 | 19 | 0.7 | 12-19 |
| | 22 | 32 | 0.3 | 11-14 |
| | 27 | 1 | 0.1 | 16 |
| | 36 | 1 | + | 13 |
| | 38 | 28 | 2.0 | 15-20 |
| | 40 | 14 | 1.4 | 16-20 |
| Del-71-3 | 7 | 39 | 1.8 | 12-16 |
| | 18 | 36 | 3.4 | 17-20 |
| | 22 | 1 | 0.1 | 16 |
| | 35 | 1 | + | 13 |
| | 37 | 4 | 0.2 | 16-18 |
| | 40 | 1 | 0.1 | 17 |
| | 42 | 8 | 0.3 | 12-15 |
| | 44 | 4 | 0.5 | 20-21 |
| | 49 | 12 | 1.2 | 19-20 |
| | 55 | 102 | 9.5 | 16-22 |
| | 56 | 3 | 0.7 | 19-28 |
| | 57 | 10 | 0.9 | 17-22 |
| | 58 | 5 | 0.2 | 14-16 |
| | 59 | 31 | 1.4 | 13-17 |
| Del-72-8 | 9 | 1 | 0.1 | 17 |
| | 12 | 22 | 0.7 | 10-15 |
| | 16 | 9 | 0.9 | 18-20 |
| | 17 | 1 | 0.1 | 18 |
| | 56 | 1 | + | 10 |
| | 59 | 1 | 0.1 | 21 |
| | 71 | 1 | + | 14 |
| Del-72-15 | 7 | 13 | 1.1 | 16-20 |
| | 8 | 13 | 0.8 | 15-18 |
| | 17 | 1 | 0.1 | 18 |
| | 19 | 7 | 0.5 | 18-19 |
| | 20 | 1 | 0.1 | 19 |
| | 21 | 7 | 0.3 | 12-15 |
| | 30 | 9 | 0.8 | 18-20 |
| | 36 | 12 | 0.7 | 15-19 |
| | 38 | 5 | 0.2 | 17-19 |
| | 50 | 6 | 0.6 | 17-18 |
| | 67 | 8 | 0.3 | 15-18 |
| | 69 | 2 | 0.1 | 18-19 |
| | *Pagrus sedecim*, red porgy | | | |
| Del-71-3 | 56 | 7 | 7.7 | 37-47 |
| Del-72-8 | 29 | 7 | 8.4 | 36-50 |
| | 68 | 1 | 1.5 | 48 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Pagrus sedecim--Cont. | | |
| Del-72-15 | 30 | 1 | 0.1 | 21 |
| | 31 | 1 | 0.1 | 24 |
| | | Stenotomus caprinus, longspine porgy | | |
| D-68-13 | 1 | 108 | 3.9 | * |
| | 2 | 366 | 11.4 | * |
| | 8 | 2,564 | * | 9-14 |
| | 10 | 26 | * | 15-18 |
| D-69-9 | 4 | 5 | * | * |
| | 7 | 2 | * | * |
| | 10 | 2 | * | 11 |
| | 14 | 5 | * | * |
| | 16 | * | * | * |
| | 67 | 2 | * | 18-23 |
| D-69-23 | 1 | 105 | * | 13-18 |
| | 3 | 31 | * | 10-18 |
| | 4 | * | * | * |
| | 5 | 68 | * | 8-15 |
| | 8 | 66 | * | 9-17 |
| | 9 | 2 | * | 8-10 |
| | 10 | 71 | * | 9-10 |
| | 11 | 14 | * | 9-11 |
| | 12 | 3 | * | 10-11 |
| | 13 | 15 | * | 11-13 |
| | 14 | 15 | * | 11-13 |
| | 15 | 37 | * | 14-16 |
| | 17 | 23 | * | 9-15 |
| | 18 | * | * | 10-16 |
| | 19 | * | * | * |
| | 20 | 58 | * | 10-16 |
| | 21 | 6 | * | 10-15 |
| | 22 | 5 | * | 10-16 |
| | 23 | 5 | * | 11 |
| | 25 | * | * | * |
| | 26 | 100 | * | 10-12 |
| | 27 | 96 | * | 8-13 |
| | 28 | 28 | * | 9-12 |
| | 29 | * | * | * |
| | 31 | 26 | * | 10-17 |
| | 35 | 1 | * | 11 |
| | 36 | 1 | * | 15 |
| | 41 | 3 | * | 16 |
| D-69-29 | 1 | 34 | * | 15-20 |
| | 2 | 6 | * | 11-15 |
| | 4 | 2 | * | 13-18 |
| | 5 | 1 | * | 11 |
| | 6 | 2 | * | 13 |
| | 8 | 3 | * | 11-13 |
| | 9 | 16 | * | 9-13 |
| | 10 | 21 | * | 8-15 |
| | 11 | 4 | * | 9-12 |
| | 12 | 4 | * | 8-9 |
| | 13 | 19 | * | 7-10 |
| | 14 | 8 | * | 7-10 |
| | 16 | 4 | * | 9-16 |
| | 17 | 5 | * | 9-13 |
| | 18 | 36 | 2.0 | 9-17 |
| | 19 | 92 | 5.2 | 8-16 |
| | 27 | 20 | * | 9-14 |
| D-71-3 | 14 | 3 | 0.2 | 17-18 |
| | 18 | 16 | 1.5 | 15-22 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Stenotomus caprinus--Cont. | | | |
| D-71-11 | 14 | 1 | + | 11 |
| | 18 | 259 | 6.0 | 10-12 |
| | 19 | 1,213 | 20.6 | 6-12 |
| | 20 | 630 | 6.8 | 8-11 |
| | 21 | 80 | 0.8 | 7-14 |
| | 22 | 43 | 2.3 | 9-18 |
| | 23 | 61 | 0.7 | 7-9 |
| | 24 | 1 | + | 14 |
| | 28 | 1 | 0.1 | 14 |
| | 31 | 2 | 0.1 | 13-14 |
| | 34 | 69 | 2.6 | 11-14 |
| | 36 | 1 | + | 12 |
| | 39 | 988 | 76.6 | 14-18 |
| Del-71-3 | 9 | 54 | 2.5 | 11-17 |
| | 10 | 5 | 0.1 | 12-14 |
| | 12 | 35 | 1.6 | 13-18 |
| | 13 | 10 | 0.6 | 13-18 |
| | 14 | 71 | 6.4 | 11-23 |
| | 18 | 1 | 0.1 | 17 |
| | 21 | 2 | 0.1 | 20-21 |
| | 22 | 34 | 1.0 | 9-16 |
| | 25 | 8 | 0.5 | 11-18 |
| | 27 | 20 | 1.0 | 12-20 |
| | 44 | 73 | 6.6 | 13-21 |
| | 45 | 2 | 0.2 | 13-19 |
| | 51 | 80 | 8.3 | 16-23 |
| | 54 | 1 | + | 11 |
| | 55 | 100 | 8.2 | 13-20 |
| | 57 | 126 | 7.7 | 9-22 |
| | 58 | 92 | 7.0 | 13-20 |
| | 59 | 481 | 22.9 | 10-22 |
| | 62 | 3 | + | 12-13 |
| | Stenotomus caprinus--Cont. | | | |
| Del-72-8 | 8 | * | * | * |
| | 9 | 82 | 5.4 | 13-21 |
| | 10 | 343 | 10.9 | 11-19 |
| | 11 | 49 | 1.6 | 11-14 |
| | 16 | 2,281 | 217.3 | 14-20 |
| | 17 | 577 | 68.0 | 17-22 |
| | 46 | 3 | 0.2 | 20-22 |
| | 59 | 390 | 53.1 | 16-24 |
| | 60 | 275 | 39.9 | 18-23 |
| | 61 | 60 | 7.9 | 19-22 |
| | 62 | 1,756 | 207.3 | 16-20 |
| | 63 | 2 | 0.2 | 19-21 |
| | 64 | 15 | 1.0 | 10-21 |
| | 65 | 4 | 0.5 | 14-21 |
| | 66 | 5 | 0.8 | 19-21 |
| | 67 | 77 | 2.3 | 10-17 |
| Del-72-15 | 7 | 328 | 18.6 | 11-20 |
| | 8 | 135 | 9.3 | 11-19 |
| | 9 | 5 | 0.5 | 14-20 |
| | 15 | 250 | 27.2 | 16-21 |
| | 17 | 4,526 | 472.2 | 12-23 |
| | 18 | 10 | 1.5 | 18-21 |
| | 19 | 14 | 1.0 | 13-20 |
| | 29 | 1 | + | 9 |
| | 58 | 1 | + | 8 |
| | 59 | 3 | + | 8 |
| | 60 | 1 | + | 9 |
| | 61 | 1 | 0.1 | 18 |
| | 66 | 347 | 13.4 | 11-15 |
| | 67 | 214 | 10.7 | 10-18 |
| | 68 | 107 | 5.4 | 11-18 |
| | 69 | 200 | 11.3 | 12-19 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Stenotomus caprinus*--Cont. | | | |
| | 70 | 1,147 | 78.0 | 13-20 |
| | 71 | 279 | 17.7 | 13-21 |
| | 74 | 87 | 0.5 | 6-10 |
| | 75 | 30 | 0.1 | 4-8 |
| | 76 | 135 | 2.8 | 8-15 |
| | 77 | 18 | 0.2 | 7-13 |
| | *Stenotomus chrysops*, scup | | | |
| D-68-7 | 13 | 1 | * | 9 |
| | 15 | 1 | * | 13 |
| | 16 | 30 | * | * |
| | 21 | 1 | * | 16 |
| | 22 | 3 | * | 17-18 |
| D-68-13 | 2 | 3 | * | 10-11 |
| D-69-9 | 5 | 4 | * | 10-12 |
| | 8 | 1 | * | 12 |
| | 11 | 20 | * | * |
| | 13 | 2 | * | * |
| | 22 | 10 | * | * |
| | 24 | 40 | * | * |
| | 37 | 1 | * | * |
| | 46 | 200 | * | 9-11 |
| | 62 | 1 | * | * |
| D-69-15 | 10 | 6 | * | 12-14 |
| | 11 | 4 | * | 13-14 |
| | 12 | 6 | * | 11-13 |
| | 13 | 1 | * | 14 |
| | 14 | 2 | * | 12 |
| | 23 | 4 | * | 12-20 |
| | 26 | 5 | * | 12 |
| | 29 | 1 | * | 21 |
| | 32 | 1 | * | 12 |
| | 36 | 2 | * | 14-15 |
| | 37 | 1 | * | 11 |
| | 38 | 10 | * | 9-11 |
| | 39 | 5 | * | 11-12 |
| | 43 | 2 | * | 14 |
| | 44 | * | 7.5 | * |
| | 46 | 5 | * | 12-18 |
| | 47 | 15 | * | * |
| | 48 | 1 | * | 13 |
| | 60 | 1 | * | 10 |
| | 61 | 35 | * | 12-15 |
| | 62 | 33 | * | 12-21 |
| | 63 | 1 | * | 13 |
| | 66 | 1 | * | 14 |
| | 68 | * | 13.2 | 11-24 |
| | 69 | 2 | * | 22-25 |
| | 70 | 5 | * | 11-15 |
| D-69-21 | 3 | * | 1.0 | 9-16 |
| | 4 | 17 | * | 10-11 |
| D-69-23 | 3 | 2 | * | 18-21 |
| | 4 | 34 | * | 17-22 |
| | 8 | 7 | * | 6-15 |
| | 39 | 2 | * | 17-19 |
| D-69-25 | 1 | 2 | * | 16-17 |
| | 2 | 1 | * | 10 |
| | 7 | * | * | * |
| | 8 | 43 | * | 7-17 |
| | 9 | 11 | * | 13-19 |
| | 10 | 11 | * | 9-18 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | *Stenotomus chrysops*--Cont. | | |
| | 12 | 40 | * | * |
| | 13 | 8 | * | 13-16 |
| D-69-29 | 18 | 2 | 1.0 | 23-29 |
| | 19 | 1 | * | 21 |
| D-70-7 | 1 | 3 | 0.2 | 23-27 |
| | 2 | 2 | 0.1 | 14-15 |
| D-70-16 | 1 | 25 | 0.8 | 10-14 |
| | 2 | 187 | 5.4 | 10-13 |
| | 3 | 15 | 0.6 | 11-14 |
| | 6 | 3 | 0.1 | 10-11 |
| | 7 | 87 | 2.4 | 9-13 |
| | 9 | 31 | 1.0 | 10-15 |
| | 10 | 2 | 0.1 | 11-13 |
| | 11 | 11 | 0.2 | 11-15 |
| | 12 | 5 | 0.2 | 12-14 |
| | 13 | 1 | 0.1 | 13 |
| | 14 | 95 | 2.9 | 11-19 |
| | 15 | 36 | 1.2 | 10-15 |
| | 16 | 4 | 0.1 | 11-14 |
| | 17 | 19 | 0.7 | 11-15 |
| | 18 | 2 | 0.1 | 13-14 |
| | 19 | 169 | 6.1 | 10-17 |
| | 20 | 12 | 0.5 | 11-15 |
| | 21 | 81 | 2.7 | 10-23 |
| | 23 | 1 | 0.1 | 12 |
| | 24 | 4 | 0.2 | 13-15 |
| | 25 | 4 | 0.2 | 12-16 |
| | 26 | 2 | 0.1 | 12-13 |
| | 27 | 217 | 5.4 | 10-16 |
| | 28 | 96 | 2.9 | 10-15 |
| | 29 | 113 | 3.7 | 10-16 |
| | 30 | 13 | 0.6 | 13-16 |
| | 31 | 2 | 0.1 | 11-12 |
| | 32 | 4 | 0.2 | 11-14 |
| | 34 | 198 | 6.4 | 10-21 |
| | 35 | 78 | 2.3 | 10-15 |
| | 36 | 80 | 2.3 | 9-14 |
| | 39 | 26 | 1.5 | 10-24 |
| D-70-19 | 1 | 18 | 0.7 | 12-15 |
| | 2 | 3 | 0.1 | 10-12 |
| | 3 | 2 | 0.1 | 13-14 |
| | 4 | 1 | 0.1 | 14 |
| | 6 | 1 | 0.1 | 12 |
| | 9 | 1,652 | 53.5 | 11-14 |
| | 10 | 11 | 0.2 | 10-13 |
| | 13 | 4 | 0.1 | 10-13 |
| | 15 | 1 | 0.1 | 12 |
| | 16 | 26 | 1.0 | 11-14 |
| | 17 | 10 | 0.2 | 11-14 |
| | 18 | 8 | 0.2 | 12-14 |
| | 23 | 9 | 0.6 | 11-15 |
| | 25 | 1 | 0.1 | 12 |
| | 29 | 19 | 0.7 | 11-14 |
| | 30 | 2 | 0.1 | 11-12 |
| | 31 | 3 | 0.1 | 12-15 |
| | 32 | 18 | 0.6 | 11-14 |
| | 39 | 10 | 0.5 | 13-16 |
| | 40 | 10 | 0.5 | 11-15 |
| D-71-3 | 18 | 56 | 9.3 | 20-26 |
| | 21 | 1 | 0.2 | 25 |
| D-71-11 | 4 | 1 | + | 12 |
| | 6 | 4 | 0.1 | 11-12 |
| | 7 | 93 | 2.9 | 10-15 |
| | 8 | 39 | 1.6 | 12-18 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Stenotomus chrysops*--Cont. | | | |
| | 38 | 940 | 106.6 | 12-30 |
| | 40 | 529 | 40.8 | 15-18 |
| | 42 | 819 | 14.3 | 7-11 |
| | 46 | 2 | + | 13 |
| | 47 | 670 | 30.4 | 12-16 |
| D-71-14 | 1 | 9 | 0.3 | 10-14 |
| | 2 | 9 | 0.2 | 12-14 |
| | 6 | 34 | 2.0 | 14-16 |
| | 7 | 16 | 0.9 | 12-14 |
| | 8 | 975 | 44.2 | 12-15 |
| | 19 | 10 | 0.3 | 15-19 |
| | 26 | 1 | + | 14 |
| | 34 | 6 | 0.2 | 13-14 |
| Del-71-2 | 1 | 81 | 13.4 | 17-23 |
| | 2 | 3 | 0.5 | 16-22 |
| | 3 | 119 | 2.0 | 7-11 |
| | 4 | 240 | 4.5 | 9-15 |
| | 5 | 90 | 1.2 | 8-10 |
| | 6 | 145 | 2.5 | 9-12 |
| | 7 | 25 | 0.7 | 9-18 |
| | 8 | 11 | 1.7 | 16-27 |
| Del-71-3 | 2 | 3 | 0.3 | 18-19 |
| | 3 | 1 | 0.1 | 13 |
| | 5 | 1 | 0.1 | 20 |
| | 6 | 1 | 0.1 | 18 |
| | 18 | 3,604 | 376.0 | 15-22 |
| | 49 | 1,492 | 162.4 | 17-22 |
| | 50 | 94 | 10.0 | 17-23 |
| | 55 | 112 | 11.3 | 14-24 |
| | 56 | 30 | 5.0 | 12-26 |
| | 57 | 69 | 7.9 | 9-26 |
| | *Stenotomus chrysops*--Cont. | | | |
| | 59 | 2 | 0.5 | 27-28 |
| | 68 | 4 | 0.1 | 11-13 |
| Del-72-8 | 8 | * | * | * |
| | 9 | 523 | 71.2 | 13-25 |
| | 10 | 109 | 6.4 | 12-25 |
| | 11 | 5 | 0.2 | 12-13 |
| | 59 | 292 | 50.3 | 17-28 |
| | 60 | 267 | 39.9 | 18-26 |
| | 61 | 35 | 4.8 | 19-23 |
| | 64 | 8 | 0.9 | 11-27 |
| | 65 | 9 | 1.8 | 21-25 |
| | 66 | 5 | 1.1 | 11-33 |
| | 67 | 6 | 1.4 | 18-29 |
| | 68 | 1 | 0.5 | 34 |
| Del-72-15 | 1 | 3 | 0.2 | 13-16 |
| | 40 | 1 | 0.1 | 21 |
| | *Calamus* sp. | | | |
| Del-72-8 | 8 | * | * | * |
| | 29 | 26 | 27.7 | 28-48 |
| | SCIAENIDAE | | | |
| | *Bairdiella chrysura*, silver perch | | | |
| D-68-13 | 6 | 5 | * | * |
| | 7 | 15 | * | * |
| D-69-9 | 63 | 1 | * | * |
| D-69-15 | 24 | 1 | * | 17 |
| | 25 | 3 | * | 16-19 |
| D-69-23 | 28 | 2 | * | 17 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Bairdiella chrysura*--Cont. | | | |
| D-69-25 | 9 | 1 | * | 13 |
| D-69-29 | 3 | 8 | * | 7-17 |
| | 10 | 1 | * | 15 |
| | 11 | 4 | * | 14-18 |
| | 16 | 18 | * | 13-19 |
| | 17 | 1 | * | 14 |
| | 20 | 2 | * | 11-17 |
| | 21 | 26 | * | 13-19 |
| | 22 | 3 | * | 12-17 |
| | 26 | 2 | * | 12-17 |
| D-70-16 | 9 | 33 | 3.6 | 16-21 |
| D-71-3 | 9 | 9 | 0.5 | 12-18 |
| | 11 | 12 | 0.8 | 15-19 |
| | 12 | 20 | 1.5 | 16-19 |
| | 15 | 2 | 0.1 | 15-18 |
| | 32 | 1 | 0.1 | 14 |
| | 36 | 1 | 0.1 | 19 |
| | 37 | 172 | 3.4 | 9-20 |
| | 38 | 8 | 0.5 | 12-20 |
| D-71-11 | 8 | 3 | 0.2 | 19-20 |
| | 9 | 1 | 0.1 | 19 |
| | 10 | 16 | 1.7 | 18-20 |
| | 17 | 9 | 0.6 | 14-19 |
| | 46 | 30 | 2.7 | 15-20 |
| | 47 | 70 | 7.0 | 16-20 |
| D-71-14 | 18 | 150 | 14.3 | 17-21 |
| Del-71-3 | 7 | 3 | 0.3 | 19-21 |
| | 34 | 13 | 0.2 | 7-13 |
| | 35 | 1 | 0.1 | 12 |
| | 60 | 3 | 0.2 | 19 |
| | 65 | 1 | 0.1 | 13 |
| | *Bairdiella chrysura*--Cont. | | | |
| Del-72-8 | 1 | 6 | 0.7 | 17-21 |
| | 35 | 3 | 0.3 | 13-19 |
| Del-72-15 | 58 | 1 | + | 14 |
| | 59 | 1 | + | 22 |
| | 60 | 1 | 0.1 | 15 |
| | *Cynoscion nothus*, silver seatrout | | | |
| Del-71-3 | 34 | 51 | 0.2 | 5-11 |
| | 35 | 45 | 0.3 | 5-25 |
| | 42 | 234 | 3.4 | 4-16 |
| Del-72-15 | 44 | 40 | 2.2 | 10-20 |
| | 58 | 1 | 0.1 | 17 |
| | *Cynoscion regalis*, weakfish | | | |
| D-68-13 | 4 | 2 | * | 22-26 |
| | 8 | 12 | * | 22-24 |
| | 12 | 2 | 1.4 | 36-38 |
| | 17 | 13 | 2.5 | 21-27 |
| | 18 | 15 | 9.1 | 21-38 |
| | 19 | 1 | * | 23 |
| | 22 | 4 | 0.5 | 39 |
| | 26 | 1 | * | 20 |
| | 28 | 8 | * | 22 |
| | 29 | 4 | 0.5 | 22 |
| | 30 | 11 | 1.6 | 21-26 |
| | 31 | 33 | * | 24-26 |
| | 36 | 10 | 0.9 | * |
| | 37 | 1 | 0.2 | * |
| | 38 | 1 | * | 26 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Cynoscion regalis--Cont. | | |
| | 44 | 16 | * | 16 |
| | 46 | 12 | * | 19-22 |
| | 47 | 4 | * | 20 |
| | 49 | 185 | * | 24 |
| D-69-9 | 4 | 3 | * | * |
| | 8 | 25 | * | 14-26 |
| | 14 | 6 | 0.5 | * |
| | 15 | 25 | * | 19-32 |
| | 18 | 1 | * | 17 |
| | 20 | 6 | * | * |
| | 21 | 3 | * | 24-30 |
| | 23 | 6 | * | 21-24 |
| | 27 | 3 | * | * |
| | 28 | 5 | * | * |
| | 29 | 5 | * | * |
| | 32 | 1 | * | * |
| | 33 | 5 | * | * |
| | 34 | 8 | * | 20-26 |
| | 35 | 35 | * | * |
| | 36 | 25 | * | 15-33 |
| | 37 | 87 | * | 13-26 |
| | 38 | 25 | * | * |
| | 39 | 20 | 1.8 | * |
| | 41 | 25 | * | * |
| | 42 | 10 | * | * |
| | 43 | 10 | * | * |
| | 44 | 20 | * | * |
| | 45 | 20 | * | * |
| | 46 | 2 | * | * |
| | 47 | 6 | * | 24-25 |
| | 50 | 133 | * | 14-26 |
| | 51 | 20 | * | * |
| | 52 | 30 | * | * |
| | 53 | 35 | * | * |
| | 54 | 200 | 9.1 | 13-20 |
| | 55 | 150 | * | 13-21 |
| | 56 | 100 | * | 13-20 |
| | 57 | 1 | * | * |
| | 63 | 11 | * | * |
| D-69-15 | 11 | 151 | 52.2 | 18-26 |
| | 12 | 102 | 13.6 | 18-25 |
| | 13 | 100 | 49.9 | 16-23 |
| | 14 | 2,000 | 204.1 | 12-29 |
| | 22 | 40 | * | 20-30 |
| | 23 | 625 | 47.6 | 18-25 |
| | 24 | 300 | 22.7 | 16-24 |
| | 25 | 160 | 10.9 | 16-28 |
| | 29 | 1 | * | 27 |
| | 36 | 62 | * | 20-30 |
| | 37 | 77 | * | 18-33 |
| | 38 | 27 | * | 18-26 |
| | 39 | 11 | * | 19-27 |
| | 40 | 16 | * | 21-24 |
| | 41 | 32 | 6.8 | 20-30 |
| | 42 | 100 | * | 18-28 |
| | 43 | 17 | * | 20-32 |
| | 46 | 68 | * | 18-38 |
| | 59 | 1 | * | 14 |
| | 61 | 1 | * | 30 |
| | 62 | 1 | * | 27 |
| D-69-21 | 2 | 130 | * | 18-26 |
| | 3 | 8 | * | 17-19 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Cynoscion regalis*--Cont. | | | |
| D-69-23 | 9 | 1 | * | 19 |
| | 10 | 5 | * | 25-28 |
| | 16 | 55 | * | 19-29 |
| | 18 | 30 | * | 19-31 |
| | 22 | 2 | * | 15-24 |
| | 23 | 1 | * | 22 |
| | 24 | 4 | * | 19-21 |
| | 25 | 51 | * | 21-27 |
| | 28 | 65 | * | 11-29 |
| | 29 | 124 | * | 21-28 |
| | 30 | 1 | * | 30 |
| | 32 | 168 | * | 9-29 |
| | 36 | 66 | * | 17-30 |
| | 44 | 17 | * | 24-35 |
| | 45 | 69 | * | 14-35 |
| D-69-25 | 1 | 100 | * | 13-22 |
| | 2 | 50 | * | 11-35 |
| | 8 | 5 | * | 18 |
| | 9 | 102 | * | 12-36 |
| | 10 | 53 | * | 13-47 |
| | 12 | 135 | * | 13-42 |
| | 13 | 8 | 6.0 | 31-41 |
| D-69-29 | 11 | 3 | * | 11-15 |
| | 12 | 2 | * | 14-19 |
| | 13 | 1 | * | 13 |
| | 16 | 3 | * | 12-22 |
| | 17 | 1 | * | 21 |
| | 20 | 176 | 12.9 | 14-26 |
| | 21 | 100 | 62.6 | 13-26 |
| | 22 | 62 | 7.3 | 19-26 |
| | 23 | 152 | 22.7 | 20-26 |
| | 24 | 131 | 7.0 | 12-22 |
| | 25 | 78 | 5.7 | 12-25 |
| | 26 | 48 | 4.3 | 12-25 |
| | 27 | 15 | 1.8 | 15-24 |
| D-70-16 | 5 | 1 | 0.2 | 23 |
| | 6 | 5 | 0.9 | 23-30 |
| | 7 | 9 | 1.6 | 22-28 |
| | 9 | 162 | 181.0 | 12-37 |
| | 10 | 100 | 26.3 | 18-28 |
| | 13 | 2 | 0.7 | 27-31 |
| | 15 | 63 | 10.4 | 22-29 |
| | 16 | 24 | 8.2 | 22-27 |
| D-70-19 | 5 | 4 | 0.5 | 20-21 |
| | 6 | 20 | 2.6 | 19-28 |
| | 9 | 1 | 0.2 | 30 |
| | 10 | 95 | 157.9 | 19-26 |
| | 11 | 135 | 26.3 | 18-34 |
| | 14 | 2 | 0.6 | 28-31 |
| | 16 | 19 | 3.2 | 23-39 |
| | 18 | 4 | 0.7 | 22-27 |
| | 39 | 1 | + | 7 |
| | 40 | 1 | + | 8 |
| D-71-3 | 3 | 1 | 1.1 | 51 |
| | 6 | 1 | 0.1 | 26 |
| | 8 | 2 | 0.3 | 29-30 |
| | 9 | 8 | 0.5 | 17-21 |
| | 11 | 88 | 10.7 | 19-31 |
| | 12 | 82 | 9.8 | * |
| | 13 | 4 | 0.6 | 22-27 |
| | 14 | 29 | 2.9 | 9-26 |
| | 15 | 5 | 0.6 | 19-26 |
| | 16 | 7 | 1.0 | 19-26 |
| | 19 | 1 | + | 12 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) | Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|---|---|---|---|---|
| | Cynoscion regalis--Cont. | | | | | Cynoscion regalis--Cont. | | | |
| | 22 | 5 | 0.1 | 7-9 | D-71-14 | 6 | 17 | 10.9 | 27-51 |
| | 26 | 1 | 0.1 | 24 | | 16 | 1 | 0.3 | 24 |
| | 27 | 4 | 0.1 | 8-11 | | 17 | 356 | 64.6 | 20-36 |
| | 28 | 4 | + | 8-12 | | 18 | 560 | 37.2 | 8-36 |
| | 29 | 2 | + | 15 | | 19 | 37 | 5.4 | 10-36 |
| | 33 | 3 | 0.5 | 21-25 | Del-71-2 | 1 | 3 | 0.2 | 17-21 |
| | 35 | 30 | 4.3 | 23-27 | Del-71-3 | 1 | 28 | 2.3 | 13-25 |
| | 36 | 8 | 1.4 | 24-30 | | 7 | 245 | 22.2 | 13-29 |
| | 37 | 348 | 11.6 | 11-19 | | 34 | 10 | 0.8 | 15-22 |
| | 38 | 93 | 4.5 | 14-22 | | 35 | 6 | 0.7 | 11-21 |
| | 39 | 1 | 0.2 | 30 | | 42 | 2 | 0.1 | 16-18 |
| D-71-11 | 6 | 1 | 0.2 | 30 | | 54 | 2 | 0.1 | 12-18 |
| | 7 | 10 | 2.6 | 28-36 | | 58 | 3 | 1.7 | 35-40 |
| | 8 | 5 | 1.6 | 24-46 | | 60 | 56 | 3.6 | 12-26 |
| | 9 | 1 | 0.1 | 18 | | 61 | 13 | 2.4 | 21-27 |
| | 10 | 246 | 25.2 | * | | 65 | 110 | 24.7 | 9-45 |
| | 11 | 10 | 1.8 | 23-31 | | 66 | 20 | 5.7 | 7-52 |
| | 14 | 1 | 0.2 | 31 | | 67 | 2 | 1.6 | 30-51 |
| | 17 | 85 | 5.7 | 11-31 | Del-72-8 | 1 | 11 | 0.5 | 12-20 |
| | 18 | 3 | 0.2 | 19-23 | | 2 | 1 | 1.2 | 45 |
| | 21 | 9 | 1.0 | 18-27 | | 4 | 1 | 1.2 | 50 |
| | 22 | 2 | 0.2 | 20-22 | | 10 | 1 | 0.2 | 24 |
| | 23 | 3 | 0.2 | 20-21 | | 34 | 3 | 0.2 | 20-24 |
| | 25 | 3 | 0.3 | 22-24 | | 35 | 8 | 0.3 | 6-23 |
| | 34 | 12 | 1.9 | 21-26 | D-72-15 | 1 | 458 | 54.0 | 17-24 |
| | 36 | 1 | 0.1 | 21 | | 29 | 4 | 0.3 | 19-20 |
| | 40 | 2 | 0.2 | 24 | | 37 | 21 | 3.6 | 23-26 |
| | 42 | 2 | 0.3 | 24-26 | | 58 | 8 | 0.9 | 12-24 |
| | 43 | 3 | 0.2 | 19-21 | | 59 | 4 | 0.1 | 14-15 |
| | 46 | 45 | 5.9 | 19-47 | | 66 | 1 | 0.1 | 20 |
| | 47 | 506 | 53.1 | 5-34 | | 76 | 9 | 1.1 | 19-25 |
| | 48 | 951 | 140.2 | 14-29 | | 77 | 8 | 0.8 | 11-25 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Equetus lanceolatus*, jackknife-fish | | | |
| D-69-29 | 19 | 1 | * | 9 |
| Del-71-3 | 27 | 35 | 3.6 | 13-25 |
| | 44 | 1 | 0.2 | 20 |
| | 55 | 10 | 2.3 | 22-28 |
| Del-72-8 | 45 | 17 | 1.4 | 15-25 |
| | 46 | 1 | 0.2 | 22 |
| Del-72-15 | 17 | 24 | 3.6 | 20-27 |
| | 31 | 2 | 0.5 | 24-27 |
| | 71 | 6 | 0.9 | 15-27 |
| | *Equetus umbrosus*, cubbyu | | | |
| Del-71-3 | 27 | 14 | 1.2 | 16-20 |
| | 56 | 16 | 1.2 | 9-21 |
| | 57 | 9 | 0.8 | 10-20 |
| Del-72-8 | 9 | 4 | 0.2 | 13-19 |
| | 10 | 6 | 0.5 | 14-18 |
| | 16 | 1 | 0.1 | 19 |
| | 45 | 1 | 0.1 | 18 |
| Del-72-15 | 69 | 12 | 1.0 | 14-20 |
| | 71 | 11 | 0.7 | 11-18 |
| | *Larimus fasciatus*, banded drum | | | |
| D-68-13 | 3 | 15 | * | * |
| | 8 | 30 | * | 19-20 |
| | 16 | 2 | * | 18-19 |
| | 18 | * | * | * |
| | 29 | 2 | * | * |
| | 36 | 525 | * | 18-22 |
| | 37 | * | 2.0 | * |
| | 38 | * | 14.5 | 17-21 |
| | *Larimus fasciatus*--Cont. | | | |
| | 39 | * | * | * |
| | 46 | * | * | * |
| | 47 | * | * | * |
| | 49 | * | * | * |
| D-69-9 | 31 | 20 | * | * |
| | 32 | 1 | * | * |
| | 37 | 4 | * | * |
| | 38 | * | * | * |
| | 39 | 6 | * | * |
| D-69-23 | 4 | 3 | * | 10-19 |
| | 9 | 2 | * | 9-12 |
| | 11 | 1 | * | 17 |
| | 12 | 3 | * | 16-20 |
| | 15 | 4 | * | 20-21 |
| | 18 | 3 | * | 20-22 |
| D-69-29 | 3 | 10 | * | 8-15 |
| | 7 | 1 | * | 20 |
| | 8 | 2 | * | 14-15 |
| | 11 | 1 | * | 13 |
| | 12 | 2 | * | 12-15 |
| | 13 | 2 | * | 11-12 |
| | 14 | 1 | * | 12 |
| | 15 | 4 | * | 7-8 |
| | 17 | 1 | * | 5 |
| | 24 | 1 | * | 7 |
| | 25 | 3 | * | 9-12 |
| | 26 | 2 | * | 12-14 |
| D-71-3 | 12 | 1 | 0.1 | 17 |
| | 28 | 4 | + | 7-10 |
| | 33 | 3 | 0.2 | 19 |
| | 37 | 8 | 0.2 | 11-13 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Larimus fasciatus*--Cont. | | | |
| D-71-11 | 17 | 18 | 0.9 | 13-17 |
| | 23 | 1 | 0.1 | 18 |
| | 34 | 16 | 1.7 | 17-21 |
| | 36 | 16 | 2.2 | 14-21 |
| Del-71-3 | 7 | 7 | 0.1 | 10-14 |
| | 23 | 5 | 0.2 | 14-16 |
| | 34 | 51 | 2.7 | 9-18 |
| | 35 | 140 | 17.2 | 13-23 |
| | 42 | 3 | 0.1 | 6-12 |
| | 54 | 5 | 0.2 | 2-15 |
| Del-72-8 | 35 | 1 | 0.1 | 16 |
| Del-72-15 | 21 | 41 | 5.7 | 19-21 |
| | 29 | 5 | 0.6 | 19-21 |
| | 37 | 26 | 3.1 | 11-21 |
| | 44 | 8 | 0.5 | 10-20 |
| | 58 | 5 | 0.3 | 14-20 |
| | 59 | 21 | 0.2 | 9-13 |
| | 60 | 14 | 1.8 | 18-21 |
| | 77 | 2 | 0.1 | 13-14 |
| | *Leiostomus xanthurus*, spot | | | |
| D-68-13 | 2 | 237 | 8.3 | 12-17 |
| | 3 | 128 | 19.3 | 12-19 |
| | 4 | 1,595 | 123.8 | 11-20 |
| | 5 | 896 | 51.5 | 9-18 |
| | 6 | 598 | 7.3 | 9-18 |
| | 8 | 348 | * | 12-19 |
| | 9 | 58 | * | 13-18 |
| | 10 | 666 | * | 10-19 |
| | 12 | 1 | * | 25 |
| | 16 | 4,000 | 240.9 | 11-20 |
| | 17 | 895 | 68.0 | 12-20 |
| | 18 | 1,065 | 63.5 | 11-19 |
| | 21 | 16 | 1.8 | 12-15 |
| | 22 | 619 | 46.0 | 13-19 |
| | 23 | 100 | 7.3 | 12-22 |
| | 24 | 109 | 10.4 | 12-17 |
| | 25 | 15 | * | 12-19 |
| | 26 | 58 | * | 10-17 |
| | 27 | 192 | 16.8 | 15-20 |
| | 28 | 194 | * | 10-16 |
| | 29 | 142 | 8.8 | 12-18 |
| | 30 | 181 | 8.6 | 12-18 |
| | 31 | 60 | 3.5 | 11-15 |
| | 32 | 18 | * | 10-19 |
| | 33 | 10 | 0.2 | 11-13 |
| | 34 | 1 | * | 16 |
| | 36 | 489 | 24.0 | 12-17 |
| | 37 | 8 | 0.7 | 15-17 |
| | 38 | 1,944 | * | 11-19 |
| | 39 | 102 | 6.4 | 13-16 |
| | 43 | 18 | * | 12-14 |
| | 44 | 1 | * | 15 |
| | 46 | 55 | * | 10-19 |
| | 47 | 24 | * | 11-18 |
| | 48 | 1 | * | 17 |
| | 49 | 1,576 | 126.6 | 10-20 |
| | 50 | * | * | * |
| | 51 | 122 | * | 10-18 |
| | 52 | 2 | * | * |
| D-69-9 | 8 | 2 | * | 12-16 |
| | 16 | 7 | * | 15-21 |
| | 33 | 1 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Leiostomus xanthurus*--Cont. | | | |
| | 35 | 1 | * | * |
| | 36 | 5 | * | 16-23 |
| | 37 | 1 | * | * |
| | 38 | 5 | * | * |
| | 41 | 1 | * | * |
| | 46 | 3 | * | 15-18 |
| | 47 | 6 | * | * |
| | 48 | 42 | * | 13-18 |
| | 50 | 142 | * | 11-24 |
| | 51 | 20 | * | * |
| | 52 | 15 | * | * |
| | 53 | 15 | * | * |
| | 56 | 1 | * | 13 |
| | 57 | 5 | * | * |
| D-69-21 | 2 | 650 | 38.1 | 13-18 |
| | 3 | 1 | * | 18 |
| D-69-23 | 4 | 74 | * | 14-23 |
| | 9 | 158 | 27.2 | 10-24 |
| | 10 | 100 | * | 11-20 |
| | 11 | 104 | * | 11-25 |
| | 12 | * | 10.0 | * |
| | 15 | 3 | * | 16-20 |
| | 16 | 61 | * | 12-19 |
| | 18 | 113 | * | 15-24 |
| | 20 | 8 | * | 16-20 |
| | 22 | 27 | * | 14-19 |
| | 23 | 100 | * | 13-20 |
| | 24 | 26 | * | 12-18 |
| | 25 | 100 | * | 15-20 |
| | 26 | 54 | * | 15-19 |
| | 27 | 94 | * | 16-20 |
| | 28 | 100 | * | 15-20 |
| | 29 | 9 | * | 17-20 |
| | 31 | 1 | * | 18 |
| | 32 | 100 | * | 16-20 |
| | 36 | 9 | * | 16-18 |
| D-69-29 | 3 | 129 | 11.8 | 17-23 |
| | 4 | 1 | * | 20 |
| | 5 | 166 | 16.3 | 13-21 |
| | 6 | 23 | 2.3 | 17-21 |
| | 9 | 15 | 1.4 | 16-19 |
| | 10 | 16 | 1.4 | 14-26 |
| | 11 | 23 | 1.1 | 12-18 |
| | 12 | 60 | 5.4 | 13-22 |
| | 13 | 11 | 0.8 | 15-21 |
| | 14 | 30 | 1.6 | 12-18 |
| | 15 | 9 | 0.2 | 13-16 |
| | 16 | 22 | 2.0 | 16-20 |
| | 17 | 11 | 1.0 | 17-19 |
| | 18 | 63 | 5.9 | 17-21 |
| | 19 | 3 | * | 19-20 |
| | 20 | 57 | 5.2 | 12-21 |
| | 21 | 100 | 93.4 | 12-18 |
| | 22 | 26 | 1.4 | 12-20 |
| | 23 | 145 | 10.0 | 13-20 |
| | 24 | 5 | * | 16-20 |
| | 25 | 12 | 0.9 | 13-18 |
| | 26 | 18 | 1.6 | 15-20 |
| | 27 | 19 | 1.6 | 16-21 |
| D-71-3 | 6 | 1 | + | 14 |
| | 9 | 452 | 19.5 | 11-19 |
| | 11 | 44 | 1.8 | 12-20 |
| | 12 | 89 | 3.9 | 12-21 |
| | 13 | 98 | 2.8 | 12-22 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | *Leiostomus xanthurus*--Cont. | | |
| | 14 | 86 | 3.4 | 13-19 |
| | 15 | 9 | 0.5 | 13-18 |
| | 16 | 6 | 0.2 | 14-15 |
| | 31 | 1 | 0.1 | 21 |
| | 32 | 2 | 0.2 | 21-22 |
| | 33 | 106 | 9.5 | 9-21 |
| | 35 | 2 | 0.1 | 12 |
| | 36 | 60 | 3.2 | 11-19 |
| | 37 | 620 | 14.1 | 9-18 |
| | 38 | 11 | 0.3 | 13-18 |
| D-71-11 | 9 | 3 | 0.1 | 9-12 |
| | 17 | 125 | 44.9 | 11-21 |
| | 18 | 125 | 108.0 | 8-21 |
| | 21 | 205 | 19.5 | 8-22 |
| | 22 | 142 | 7.3 | 9-20 |
| | 23 | 200 | 9.1 | 7-21 |
| | 24 | 28 | 2.7 | 17-20 |
| | 25 | 1,179 | 149.7 | 18-32 |
| | 34 | 20 | 2.9 | 18-23 |
| | 35 | 1 | 0.1 | 24 |
| | 36 | 27 | 2.5 | 12-21 |
| | 40 | 97 | 10.9 | 18-23 |
| | 46 | 145 | 6.6 | 9-30 |
| | 47 | 164 | 5.2 | 9-15 |
| D-71-14 | 6 | 43 | 2.7 | 13-17 |
| | 18 | 247 | 10.7 | 10-19 |
| | 19 | 96 | 5.2 | 12-19 |
| Del-71-3 | 1 | 560 | 31.8 | 13-21 |
| | 7 | 32 | 2.8 | 13-21 |
| | 22 | 8 | 1.0 | 19-22 |
| | 23 | 5 | 0.2 | 15-18 |
| | 24 | 3 | 0.3 | 21-23 |
| | 25 | 2 | 0.1 | 20 |
| | 34 | 10 | 0.8 | 15-18 |
| | 35 | 145 | 14.2 | 16-23 |
| | 36 | 1 | 0.1 | 22 |
| | 42 | 180 | 17.2 | 14-24 |
| | 44 | 2 | 0.4 | 21-26 |
| | 46 | 1 | 0.2 | 23 |
| | 48 | 1 | 0.1 | 21 |
| | 49 | 2 | 0.5 | 26 |
| | 51 | 1 | 0.2 | 24 |
| | 52 | 2 | 0.2 | 22-25 |
| | 54 | 5 | 0.3 | 16-20 |
| | 58 | 13,795 | 1,314.1 | 15-21 |
| | 59 | 1 | 0.1 | 25 |
| | 61 | 3 | 0.3 | 16-18 |
| | 65 | 32 | 2.4 | 14-19 |
| | 66 | 9 | 0.8 | 15-19 |
| Del-72-8 | 1 | 10 | 0.6 | 15-19 |
| | 9 | 3 | 0.7 | 24-26 |
| | 10 | 33 | 2.8 | 17-21 |
| | 11 | 16 | 1.6 | 17-19 |
| | 12 | 8 | 0.7 | 15-18 |
| | 17 | 270 | 49.0 | 20-26 |
| | 18 | 10 | 1.1 | 21-27 |
| | 19 | 171 | 16.3 | 18-23 |
| | 27 | 34 | 2.9 | 16-24 |
| | 33 | 1 | 0.1 | 21 |
| | 34 | 3 | 0.3 | 17-24 |
| | 35 | 826 | 71.2 | 13-24 |
| | 54 | 6 | 1.2 | 23-26 |
| | 55 | 97 | 9.5 | 16-22 |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Leiostomus xanthurus*--Cont. | | | |
| Del-72-15 | 1 | 20 | 1.1 | 14-19 |
| | 7 | 2 | 0.2 | 18-22 |
| | 8 | 11 | 0.9 | 17-20 |
| | 9 | 23 | 2.0 | 17-21 |
| | 17 | 11 | 1.6 | 20-23 |
| | 21 | 34 | 2.7 | 15-21 |
| | 22 | 15 | 2.6 | 14-27 |
| | 29 | 23 | 1.6 | 15-18 |
| | 30 | 54 | 4.8 | 11-21 |
| | 37 | 59 | 6.1 | 16-20 |
| | 39 | 1 | 0.1 | 12 |
| | 44 | 174 | 14.3 | 14-21 |
| | 50 | 2 | 0.2 | 17-18 |
| | 58 | 28 | 2.0 | 15-19 |
| | 59 | 43 | 2.4 | 13-17 |
| | 60 | 14 | 1.0 | 16-19 |
| | 61 | 3 | 0.3 | 18-19 |
| | 67 | 8 | 0.6 | 16-19 |
| | 68 | 1 | 0.1 | 16 |
| | 69 | 1 | 0.2 | 23 |
| | 77 | 67 | 4.5 | 14-18 |
| | *Menticirrhus americanus*, southern kingfish | | | |
| D-69-23 | 9 | 5 | * | 16-27 |
| | 11 | 8 | * | 24-28 |
| | 12 | 2 | * | 24-26 |
| | 16 | 13 | * | 16-29 |
| | 20 | 1 | * | 26 |
| D-69-29 | 3 | 2 | * | 18 |
| | 6 | 2 | * | 23 |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Menticirrhus americanus*--Cont. | | | |
| | 10 | 4 | * | 18-19 |
| | 11 | 5 | * | 12-19 |
| | 12 | 5 | * | 13-28 |
| | 13 | 3 | * | 16-18 |
| | 15 | 3 | * | 7-19 |
| | 16 | 6 | * | 19-30 |
| | 17 | 12 | * | 24-31 |
| | 20 | 37 | 6.6 | 10-28 |
| | 21 | 18 | 4.1 | 22-29 |
| | 22 | 1 | * | 20 |
| | 23 | 5 | * | 22-27 |
| | 24 | 30 | * | 10-31 |
| | 25 | 17 | 1.8 | * |
| | 26 | 1 | * | 23 |
| D-71-3 | 12 | 2 | 0.8 | 29-35 |
| | 13 | 9 | 1.2 | 19-29 |
| | 16 | 3 | 0.9 | 29 |
| | 17 | 4 | 0.8 | 24-26 |
| | 19 | 9 | 1.6 | * |
| | 22 | 23 | 2.7 | * |
| | 23 | 13 | 2.0 | * |
| | 24 | 5 | 1.4 | 24-30 |
| | 25 | 6 | 1.4 | 25-28 |
| | 27 | 10 | 0.9 | 13-23 |
| | 28 | 3 | 0.3 | * |
| | 29 | 4 | 0.1 | 8-16 |
| | 30 | 39 | 6.4 | 12-29 |
| | 31 | 3 | 0.7 | 27-28 |
| | 32 | 16 | 1.5 | * |
| | 33 | 2 | 0.1 | 14-23 |
| | 35 | 4 | 0.5 | 22-25 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Menticirrhus americanus*--Cont. | | | |
| | 36 | 3 | 0.3 | 23-26 |
| | 37 | 15 | 0.9 | * |
| | 38 | 2 | 0.1 | 16-19 |
| D-71-11 | 17 | 2 | 0.3 | 20-26 |
| | 18 | 15 | 2.5 | 11-26 |
| | 21 | 1 | 0.1 | 21 |
| | 24 | 1 | 0.1 | 22 |
| | 25 | 7 | 0.9 | 19-25 |
| | 29 | 27 | 4.2 | 13-33 |
| | 34 | 19 | 3.1 | 21-27 |
| | 43 | 9 | 1.5 | * |
| | 46 | 7 | 0.9 | * |
| | 47 | 5 | 0.8 | 20-26 |
| Del-71-3 | 7 | 55 | 12.0 | 18-36 |
| | 22 | 1 | 0.3 | 30 |
| | 23 | 1 | 0.1 | 21 |
| | 34 | 51 | 5.3 | 4-31 |
| | 35 | 237 | 54.9 | 20-36 |
| | 42 | 4 | 0.6 | 15-26 |
| | 47 | 1 | 0.3 | 30 |
| | 48 | 1 | 0.3 | 31 |
| | 54 | 10 | 0.9 | 19-21 |
| | 58 | 1 | 0.1 | 25 |
| | 60 | 1 | 0.1 | 24 |
| Del-72-8 | 1 | 1 | 0.1 | 15 |
| | 14 | 1 | 0.1 | 27 |
| | 23 | 1 | 0.5 | 33 |
| | 32 | 1 | 0.2 | 31 |
| | 33 | 1 | 0.2 | 29 |
| | 34 | 2 | 0.5 | 27 |
| | 35 | 39 | 8.6 | * |
| | 36 | 14 | 2.9 | 24-31 |
| Del-72-15 | 1 | 21 | 1.2 | 13-30 |
| | 29 | 1 | 0.1 | 21 |
| | 37 | 4 | 0.5 | 19-26 |
| | 42 | 20 | 4.0 | 22-31 |
| | 44 | 1 | 0.1 | 17 |
| | 58 | 9 | 0.6 | 16-22 |
| | 59 | 7 | 0.6 | 17-24 |
| | 60 | 15 | 1.4 | 18-23 |
| | 61 | 11 | 1.8 | 20-28 |
| | 68 | 1 | 0.1 | 18 |
| | 77 | 10 | 1.9 | 15-30 |
| | *Menticirrhus littoralis*, gulf kingfish | | | |
| D-71-3 | 28 | 1 | 0.1 | * |
| | *Menticirrhus saxatilis*, northern kingfish | | | |
| D-68-13 | 3 | 16 | * | * |
| | 4 | 7 | * | 15-18 |
| | 6 | 84 | 28.1 | 14-31 |
| | 7 | 24 | 6.8 | 17-34 |
| | 12 | 98 | 21.3 | 20-32 |
| | 16 | 1 | * | 26 |
| | 27 | 5 | * | 25-30 |
| | 28 | 4 | * | 15 |
| | 33 | 14 | * | 17-27 |
| D-69-9 | 8 | 100 | * | 20-27 |
| | 9 | 35 | * | 22-28 |
| | 11 | 15 | * | 20-25 |
| | 12 | 50 | * | * |
| | 13 | 5 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Menticirrhus saxatilis--Cont. | | |
| | 14 | 14 | * | * |
| | 16 | 1 | * | * |
| | 18 | 12 | * | * |
| | 19 | 15 | * | * |
| | 20 | 11 | * | * |
| | 22 | 30 | * | * |
| | 23 | 24 | * | * |
| | 28 | 6 | * | * |
| | 29 | 10 | * | * |
| | 30 | 6 | * | * |
| | 32 | 2 | * | * |
| | 34 | 6 | * | * |
| | 35 | 10 | * | * |
| | 41 | 4 | * | * |
| | 45 | 1 | * | * |
| | 46 | 2 | * | 22 |
| | 47 | 5 | * | * |
| | 48 | 10 | * | * |
| | 50 | 20 | * | * |
| | 52 | 15 | * | * |
| | 53 | 20 | * | * |
| | 54 | 6 | * | * |
| | 55 | 2 | * | 26 |
| | 63 | 1 | * | * |
| D-69-15 | 11 | 4 | * | 23-28 |
| | 12 | 6 | * | 22-27 |
| | 13 | 3 | * | 20-26 |
| | 25 | 1 | * | 25 |
| | 26 | 1 | * | 22 |
| | 36 | 1 | * | 27 |
| | 38 | 4 | * | 22-28 |
| | 40 | 15 | * | 20-28 |
| | 41 | 8 | * | 18-31 |
| | 42 | 1 | * | * |
| | 43 | 9 | * | 22-30 |
| | 44 | 1 | * | 21 |
| | 46 | 10 | * | 23-34 |
| | 48 | 8 | * | 23-31 |
| | 58 | 4 | * | 23-29 |
| | 59 | 2 | * | 17-27 |
| | 60 | 3 | * | 24-35 |
| D-69-23 | 15 | 2 | * | 21-23 |
| | 16 | 1 | * | 18 |
| | 18 | 1 | * | 26 |
| | 20 | 6 | * | 18-30 |
| | 23 | 6 | * | 18-30 |
| | 25 | 58 | * | 16-30 |
| | 26 | 1 | * | 23 |
| | 27 | 1 | * | 20 |
| | 28 | 11 | * | 16-21 |
| | 29 | 5 | * | 20-28 |
| | 32 | 39 | * | 11-33 |
| | 36 | 4 | * | 16-20 |
| | 44 | 2 | * | 19-20 |
| | 45 | 10 | * | 18-32 |
| D-69-25 | 1 | 3 | * | 20-23 |
| | 2 | 13 | * | 17-23 |
| | 8 | 16 | * | 18-24 |
| | 9 | 58 | * | 15-41 |
| | 10 | 5 | * | 19-35 |
| | 12 | 57 | * | 15-36 |
| | 13 | 5 | * | 31-35 |
| D-69-29 | 7 | 1 | * | 26 |
| | 8 | 3 | * | 20-35 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Menticirrhus saxatilis*--Cont. | | | |
| | 16 | 1 | * | 40 |
| | 17 | 1 | * | 31 |
| | 19 | 2 | * | 28-32 |
| | 22 | 2 | * | 21-24 |
| | 23 | 4 | * | 20-22 |
| | 25 | 2 | * | 13-15 |
| | 26 | 1 | * | 34 |
| | 27 | 27 | 2.5 | * |
| D-70-16 | 7 | 3 | 0.6 | 24-35 |
| | 13 | 8 | 2.3 | 24-31 |
| | 21 | 5 | 1.8 | 29-34 |
| D-70-19 | 1 | 1 | 0.3 | 32 |
| | 6 | 2 | 0.3 | 22-25 |
| | 9 | 1 | 0.3 | 33 |
| | 11 | 1 | 0.2 | 25 |
| | 14 | 3 | 0.6 | 25-28 |
| | 16 | 1 | 0.2 | 28 |
| | 23 | 1 | 0.6 | 35 |
| | 39 | 17 | 5.3 | 26-36 |
| | 40 | 16 | 4.5 | 13-36 |
| D-71-3 | 6 | 2 | 0.3 | 25-28 |
| | 10 | 1 | 0.1 | 21 |
| D-71-11 | 7 | 4 | 1.2 | 27-36 |
| | 9 | 2 | 0.8 | 32-45 |
| | 18 | 2 | 0.6 | 30-31 |
| | 29 | 2 | 0.1 | 17 |
| | 34 | 1 | 0.3 | 31 |
| | 42 | 1 | 0.3 | 30 |
| | 43 | 1 | 0.1 | 22 |
| | 45 | 2 | 0.3 | 24-30 |
| | 46 | 1 | 0.1 | * |
| | 47 | 3 | 0.6 | 13-29 |
| | *Menticirrhus saxatilis*--Cont. | | | |
| Del-71-3 | 1 | 11 | 3.3 | 24-36 |
| | 2 | 1 | 0.1 | 22 |
| | 7 | 1 | 0.3 | 33 |
| | 9 | 7 | 0.9 | 21-27 |
| | 12 | 1 | 0.2 | 31 |
| | 13 | 1 | 0.1 | 28 |
| | 26 | 1 | 0.1 | 28 |
| | 46 | 1 | 0.2 | 31 |
| | 53 | 2 | 0.7 | 31-33 |
| | 57 | 1 | 0.2 | 25 |
| | 58 | 5 | 1.1 | 26-30 |
| | 60 | 1 | 0.1 | 19 |
| | 61 | 4 | 0.5 | 19-24 |
| | 67 | 7 | 0.7 | 14-26 |
| Del-72-8 | 9 | 1 | 0.3 | 31 |
| | 10 | 6 | 1.4 | 26-31 |
| | 11 | 1 | 0.2 | 26 |
| | 21 | 3 | 0.7 | 27-29 |
| | 64 | 3 | 0.5 | 23-26 |
| | 65 | 5 | 0.7 | 24-27 |
| | 66 | 2 | 0.6 | 30 |
| | 71 | 5 | 0.6 | 19-26 |
| | 72 | 1 | 0.6 | 23 |
| Del-72-15 | 1 | 1 | 0.1 | 21 |
| | 9 | 1 | 0.1 | 25 |
| | 76 | 2 | 0.5 | 23-32 |
| | *Micropogon undulatus*, Atlantic croaker | | | |
| D-68-13 | 2 | 18 | 1.5 | 17-26 |
| | 3 | 1,730 | 95.3 | 13-22 |
| | 4 | 6,270 | 408.2 | 15-23 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Micropogon undulatus--Cont. | | |
| | 5 | 1,590 | 79.8 | 14-22 |
| | 6 | 580 | 16.0 | 14-21 |
| | 7 | 184 | 9.1 | 13-23 |
| | 8 | 872 | * | 16-26 |
| | 9 | 58 | * | 18-23 |
| | 10 | 32 | * | 15-18 |
| | 15 | 82 | 7.3 | 21-25 |
| | 16 | 2,225 | 185.5 | 15-26 |
| | 17 | 1,610 | 122.5 | 14-25 |
| | 18 | 2,070 | 172.4 | 15-26 |
| | 19 | 2,236 | 181.4 | 15-27 |
| | 21 | 166 | 12.9 | 16-29 |
| | 22 | 217 | 34.5 | 17-30 |
| | 23 | * | 38.1 | 16-28 |
| | 24 | 176 | 15.9 | 15-28 |
| | 25 | 760 | 51.3 | 14-23 |
| | 26 | 1,029 | 47.2 | 14-21 |
| | 27 | 13 | 1.1 | 16-26 |
| | 28 | 1,271 | 110.0 | 15-25 |
| | 29 | 659 | 52.4 | 15-24 |
| | 30 | 1,479 | 115.9 | 13-24 |
| | 31 | 1,627 | 80.3 | 15-22 |
| | 32 | 927 | 69.9 | 15-24 |
| | 33 | 243 | 13.6 | 15-25 |
| | 34 | 93 | 3.6 | 15-22 |
| | 36 | 2,812 | 229.1 | 15-23 |
| | 37 | 152 | 16.1 | 16-26 |
| | 38 | 4,006 | * | 14-25 |
| | 39 | 438 | 55.3 | 15-25 |
| | 42 | 36 | * | 15-28 |
| | 43 | 118 | 10.9 | 17-23 |
| | 44 | 102 | * | 20-26 |
| | 45 | * | 2.0 | 20-25 |
| | 46 | 489 | 44.9 | 14-23 |
| | 47 | 660 | 35.2 | 14-22 |
| | 48 | * | 1.4 | 15-19 |
| | 49 | 4,058 | 172.8 | 16-23 |
| | 50 | * | * | 12-21 |
| | 51 | * | 9.3 | 15-23 |
| | 52 | 5 | * | * |
| D-69-9 | 8 | 42 | * | 17-26 |
| | 14 | 83 | * | 13-24 |
| | 15 | 525 | * | * |
| | 16 | 37 | * | 19-23 |
| | 17 | 56 | * | 18-24 |
| | 18 | 55 | * | 18-25 |
| | 19 | 77 | * | 19-28 |
| | 20 | 1,500 | 22.7 | 13-27 |
| | 21 | 51 | * | 17-23 |
| | 23 | 700 | 59.0 | 16-22 |
| | 27 | 2,100 | 140.6 | * |
| | 28 | 110 | * | 18-24 |
| | 29 | * | 18.1 | * |
| | 30 | 2,000 | * | * |
| | 31 | 680 | * | 16-25 |
| | 32 | * | 68.0 | * |
| | 33 | 3,000 | 136.1 | * |
| | 34 | 1,500 | 68.0 | 11-25 |
| | 35 | 1,000 | 45.4 | * |
| | 36 | 75 | * | 13-25 |
| | 37 | 200 | * | * |
| | 38 | 50 | * | * |
| | 39 | 350 | 22.7 | * |
| | 40 | 3,000 | 226.8 | 15-17 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) | Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|---|---|---|---|---|
| | *Micropogon undulatus*--Cont. | | | | | *Micropogon undulatus*--Cont. | | | |
| | 41 | 500 | * | * | D-69-29 | 12 | 7 | * | 16-21 |
| | 42 | 50 | * | * | | 15 | 2 | * | 13-14 |
| | 43 | 2,000 | 68.0 | * | | 16 | 1 | * | 17 |
| | 44 | 1,000 | 136.1 | * | | 17 | 15 | 1.2 | 17-24 |
| | 45 | 500 | * | * | | 18 | 16 | 1.9 | 18-23 |
| | 46 | 12 | * | * | | 19 | 2 | * | 18-21 |
| | 47 | 250 | * | 19-27 | | 20 | 61 | 3.9 | 16-21 |
| | 48 | 100 | * | * | | 21 | 101 | 6.8 | 15-21 |
| | 50 | 25 | * | 20-33 | | 22 | 122 | 9.8 | 15-22 |
| | 51 | 20 | * | * | | 23 | 54 | 4.3 | 16-23 |
| | 52 | 20 | * | * | | 24 | 7 | * | 6-20 |
| | 53 | 74 | * | 14-23 | | 25 | 53 | 3.9 | 16-21 |
| | 54 | 75 | 13.6 | * | | 26 | 195 | 24.9 | 11-25 |
| | 55 | 30 | * | 12-17 | | 27 | 282 | 39.5 | 20-25 |
| | 56 | 6 | * | 13-14 | D-71-3 | 8 | 2 | 0.2 | 22-25 |
| | 57 | 70 | * | * | | 9 | 375 | 53.1 | 14-22 |
| D-69-23 | 4 | * | * | * | | 11 | 151 | 11.1 | 17-25 |
| | 5 | 1 | * | 17 | | 12 | 131 | 29.7 | 17-25 |
| | 9 | 120 | 24.9 | 14-19 | | 13 | 1 | 0.1 | 17 |
| | 10 | 106 | * | 15-27 | | 14 | 20 | 2.3 | 19-23 |
| | 11 | 106 | * | 12-25 | | 33 | 12 | 1.1 | 20-23 |
| | 12 | * | 7.7 | * | | 35 | 140 | 13.6 | 11-24 |
| | 15 | 18 | * | 22-27 | | 36 | 21 | 1.8 | 18-22 |
| | 16 | 100 | 27.2 | 13-25 | | 37 | 168 | 4.8 | 10-18 |
| | 17 | 5 | * | 24-27 | | 38 | 56 | 4.1 | 11-21 |
| | 18 | 106 | * | 11-29 | D-71-11 | 13 | 98 | 11.1 | 12-27 |
| | 19 | 3 | * | * | | 17 | 125 | 65.8 | 16-19 |
| | 22 | 5 | * | 20-25 | | 18 | 15 | 1.1 | 17-21 |
| | 23 | 3 | * | 21-27 | | 21 | 291 | 21.1 | 17-22 |
| | 24 | 7 | * | 16-17 | | 22 | 33 | 2.5 | 11-21 |
| | 25 | 22 | * | 22-27 | | 23 | 177 | 12.0 | 17-21 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Micropogon undulatus*--Cont. | | | |
| | 24 | 4 | 0.5 | 19-20 |
| | 25 | 3 | 0.2 | 20-21 |
| | 34 | 32 | 2.0 | 15-19 |
| | 36 | 2 | 0.1 | 19 |
| | 40 | 86 | 7.9 | 18-22 |
| | 43 | 43 | 6.1 | 19-24 |
| Del-71-3 | 7 | 335 | 24.5 | 16-25 |
| | 9 | 8 | 1.6 | 22-27 |
| | 23 | 2 | 0.1 | 16-18 |
| | 26 | 1 | 0.1 | 24 |
| | 34 | 12 | 1.2 | 17-23 |
| | 35 | 37 | 4.0 | 15-28 |
| | 36 | 106 | 12.9 | 19-24 |
| | 42 | 15 | 1.5 | 15-28 |
| | 45 | 1 | 0.1 | 23 |
| | 47 | 1 | 0.1 | 22 |
| | 57 | 1 | 0.2 | 27 |
| | 58 | 9 | 1.1 | 23-25 |
| | 60 | 1,287 | 221.8 | 18-27 |
| | 61 | 22 | 5.0 | 23-27 |
| Del-72-8 | 10 | 32 | 5.4 | 18-27 |
| | 11 | 73 | 5.9 | 15-23 |
| | 12 | 5 | 0.7 | 17-22 |
| | 35 | 58 | 4.5 | 5-24 |
| Del-72-15 | 44 | 4 | 0.1 | 11-16 |
| | 77 | 1 | + | 15 |
| | *Pogonias cromis*, black drum | | | |
| D-68-13 | 6 | 1 | * | * |
| D-69-9 | 44 | 1 | 7.7 | 78 |
| | *Pogonias cromis*--Cont. | | | |
| D-71-3 | 22 | 1 | + | 11 |
| | 29 | 2 | 34.5 | 97-101 |
| Del-72-15 | 77 | 1 | 3.7 | 85 |
| | *Sciaenops ocellata*, red drum | | | |
| D-71-3 | 19 | 1 | 6.8 | 88 |
| | *Stellifer lanceolatus*, star drum | | | |
| D-71-3 | 37 | 1 | + | 13 |
| Del-72-8 | 35 | 2 | 0.1 | 12-14 |
| Del-72-15 | 58 | 15 | 0.6 | 13-15 |
| | 59 | 4 | 0.1 | 10-11 |
| | MULLIDAE | | | |
| | *Mullus auratus*, red goatfish | | | |
| D-68-13 | 32 | * | * | * |
| D-69-25 | 10 | 1 | * | 9 |
| Del-71-3 | 27 | 8 | 0.6 | 17-22 |
| | 45 | 1 | 0.1 | 18 |
| | 51 | 1 | + | 15 |
| | 56 | 1 | + | 16 |
| Del-72-8 | 27 | 2 | 0.1 | 18-19 |
| | 39 | 2 | 0.1 | 16-18 |
| Del-72-15 | 17 | 3 | 0.3 | 19-22 |
| | 71 | 1 | 0.1 | 21 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| EPHIPPIDAE | | | | |
| Chaetodipterus faber, Atlantic spadefish | | | | |
| D-68-13 | 2 | 27 | * | 6-9 |
| | 3 | 9 | * | * |
| | 4 | * | * | * |
| | 5 | * | * | * |
| | 6 | 2 | * | * |
| | 7 | 14 | * | * |
| | 8 | 30 | * | 7 |
| | 9 | 24 | * | * |
| | 11 | 1 | * | * |
| | 16 | 3 | * | 7-9 |
| | 19 | * | * | * |
| | 24 | 1 | * | * |
| | 26 | 1 | * | * |
| | 32 | * | * | * |
| | 33 | * | * | * |
| | 39 | * | * | * |
| | 40 | * | * | * |
| | 42 | * | * | * |
| | 43 | * | * | * |
| | 44 | 1 | * | * |
| | 45 | 2 | * | * |
| | 46 | 5 | * | 27-33 |
| | 51 | * | * | * |
| D-69-23 | 5 | 1 | * | 11 |
| | 9 | 3 | * | 8-10 |
| | 12 | 4 | * | 9-11 |
| | 14 | 1 | * | 10 |
| D-69-29 | 23 | 6 | * | 6-7 |
| | 25 | 1 | * | 6 |
| D-71-3 | 31 | 4 | 0.5 | 15-16 |
| D-71-11 | 30 | 8 | 0.9 | 13-16 |
| | 34 | 8 | 0.7 | 12-15 |
| | 40 | 3 | 0.2 | 14-15 |
| Del-71-3 | 7 | 1 | + | 8 |
| | 14 | 1 | 0.1 | 11 |
| | 26 | 1 | 0.1 | 11 |
| | 27 | 2 | 0.9 | 22-26 |
| | 28 | 31 | 4.3 | 12-19 |
| | 33 | 3 | 0.5 | 17 |
| | 34 | 10 | 0.2 | 6-9 |
| | 41 | 2 | + | 7-8 |
| | 42 | 3 | 0.1 | 6-12 |
| | 43 | 25 | 4.1 | 12-17 |
| | 44 | 1 | 0.5 | 24 |
| | 45 | 1 | 0.1 | 11 |
| | 50 | 1 | 0.1 | 14 |
| | 51 | 1 | 0.1 | 12 |
| | 56 | 5 | 1.3 | 12-22 |
| | 57 | 4 | 0.2 | 10-25 |
| Del-72-8 | 8 | * | * | * |
| | 9 | 1 | 0.2 | 19 |
| | 35 | 1 | + | 10 |
| Del-72-15 | 7 | 1 | 0.1 | 13 |
| | 17 | 2 | 1.0 | 17-30 |
| | 44 | 1 | 0.1 | 13 |
| | 57 | 2 | 0.2 | 14-16 |
| | 62 | 1 | 0.1 | 14 |
| | 67 | 4 | 0.8 | 16-17 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| **CHAETODONTIDAE** | | | | |
| *Chaetodon ocellatus*, spotfin butterflyfish | | | | |
| Del-72-15 | 49 | 1 | 0.1 | 13 |
| *Holocanthus bermudensis*, blue angelfish | | | | |
| Del-72-8 | 45 | 1 | 0.1 | 15 |
| Del-72-15 | 31 | 1 | 0.3 | 20 |
| | 49 | 4 | 2.9 | 27-30 |
| **LABRIDAE** | | | | |
| *Halichoeres radiatus*, puddingwife | | | | |
| Del-71-3 | 27 | 2 | 0.2 | 6-16 |
| *Hemipteronotus novacula*, pearly razorfish | | | | |
| D-69-23 | 8 | 1 | * | * |
| Del-71-3 | 17 | 2 | 0.2 | 19-21 |
| Del-72-15 | 64 | 1 | 0.1 | 18 |
| *Lachnolaimus maximus*, hogfish | | | | |
| D-68-13 | 7 | 44 | * | * |
| Del-72-8 | 8 | 1 | * | 32 |
| *Tautoga onitis*, tautog | | | | |
| D-69-15 | 30 | 11 | * | 19-31 |
| D-69-23 | 3 | 1 | * | 19 |
| D-70-16 | 37 | 1 | 0.2 | 22 |
| Del-71-3 | 59 | 2 | 1.4 | 32 |
| *Tautogolabrus adspersus*, cunner | | | | |
| D-68-7 | 4 | 15 | * | 14-29 |
| | 16 | 2 | * | 24-28 |
| D-69-15 | 15 | 1 | * | 21 |
| | 30 | 3 | * | 17-28 |
| D-70-16 | 37 | 30 | 2.9 | 14-24 |
| | 38 | 3 | 0.3 | 17-18 |
| D-70-19 | 38 | 1 | 0.1 | 19 |
| **MUGILIDAE** | | | | |
| *Mugil cephalus*, striped mullet | | | | |
| D-71-11 | 27 | 38 | 0.1 | 5-7 |
| **SPHYRAENIDAE** | | | | |
| *Sphyraena barracuda*, great barracuda | | | | |
| Del-71-3 | 42 | 1 | + | 12 |
| *Sphyraena borealis*, northern sennet | | | | |
| D-69-25 | 8 | 1 | * | 21 |
| *Sphyraena guachancho*, gauguanche | | | | |
| Del-72-15 | 17 | 1 | 0.3 | 41 |
| **URANOSCOPIDAE** | | | | |
| *Astroscopus guttatus*, northern stargazer | | | | |
| D-69-9 | 6 | 1 | * | * |
| | 7 | * | * | * |
| | 47 | 1 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| *Astroscopus y-graecum*, southern stargazer | | | | |
| Del-72-8 | 15 | 1 | 0.3 | 24 |
| Del-72-15 | 31 | 1 | 0.2 | 25 |
| *Kathetostoma albigutta*, lancer stargazer | | | | |
| Del-71-3 | 11 | 1 | 0.1 | 17 |
| | 49 | 1 | 0.1 | 16 |
| Del-72-8 | 18 | 1 | 0.2 | 17 |
| | 19 | 3 | 0.5 | 14-19 |
| | 25 | 1 | + | 13 |
| | 39 | 2 | 0.2 | 17-19 |
| | 46 | 1 | 0.1 | 19 |
| | 52 | 1 | 0.1 | 20 |
| | 63 | 6 | 0.5 | 10-21 |
| | 75 | 1 | 0.1 | 13 |
| Del-72-15 | 14 | 1 | + | 12 |
| | 30 | 1 | 0.1 | 13 |
| | 31 | 2 | 0.1 | 13-14 |
| | 39 | 1 | 0.1 | 13 |
| | 52 | 1 | 0.1 | 19 |
| | 72 | 1 | 0.1 | 20 |
| BLENNIIDAE | | | | |
| *Hypleurochilus geminatus*, crested blenny | | | | |
| Del-72-8 | 58 | 1 | + | 4 |
| AMMODYTIDAE | | | | |
| *Ammodytes americanus*, American sand lance | | | | |
| D-71-3 | 41 | 1 | + | 18 |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| TRICHIURIDAE | | | | |
| *Trichiurus lepturus*, Atlantic cutlassfish | | | | |
| D-68-13 | 16 | 1 | * | 9 |
| D-69-29 | 9 | 1 | * | 15 |
| | 10 | 2 | * | 14-20 |
| | 16 | 1 | * | 20 |
| D-71-3 | 22 | 7 | 0.8 | 26-34 |
| Del-71-3 | 35 | 1 | 0.1 | 42 |
| | 42 | 4 | 0.1 | 20-32 |
| Del-72-8 | 1 | 4 | 0.1 | 29-47 |
| | 6 | 1 | + | 15 |
| | 34 | 1 | + | 23 |
| Del-72-15 | 1 | 3 | 0.1 | 15-31 |
| | 44 | 21 | 0.1 | 11-38 |
| | 66 | 3 | + | 35-41 |
| SCOMBRIDAE | | | | |
| *Scomber scombrus*, Atlantic mackerel | | | | |
| D-69-9 | 4 | 1 | * | * |
| | 64 | 2 | * | 25 |
| D-69-15 | 33 | 1 | * | 7 |
| | 64 | 300 | * | 6-8 |
| | 66 | 1 | * | * |
| D-69-23 | 38 | 2 | * | 11-17 |
| D-69-25 | 10 | 3 | * | 13-14 |
| | 11 | 32 | * | 13-16 |
| | 12 | 12 | * | * |
| D-70-19 | 31 | 21 | 1.0 | 12-36 |
| | 33 | 288 | 7.3 | 13-16 |
| | 34 | 13 | 0.3 | 13-15 |
| D-71-14 | 1 | 1 | + | 12 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Scomber scombrus--Cont. | | |
| Del-72-8 | 50 | 2 | + | 11 |
| Del-72-15 | 74 | 2 | + | 11-13 |
| | | Scomberomorus cavalla, king mackerel | | |
| Del-71-3 | 23 | 2 | 0.1 | 14-15 |
| | 33 | 5 | 0.1 | 15-21 |
| | | Scomberomorus maculatus, Spanish mackerel | | |
| D-69-23 | 9 | 8 | * | 15-23 |
| | 10 | 2 | * | 13-23 |
| D-71-11 | 27 | 9 | 4.2 | 15-51 |
| | 30 | 1 | 0.7 | 50 |
| | 36 | 1 | 0.1 | 17 |
| Del-71-3 | 33 | 4 | 0.2 | 22-25 |
| | 42 | 9 | 1.0 | 17-39 |
| | | STROMATEIDAE | | |
| | | Peprilus alepidotus, harvestfish | | |
| D-68-13 | 2 | 2 | * | 9 |
| | 3 | 4 | * | * |
| | 7 | 14 | * | * |
| | 10 | 64 | * | 7-12 |
| | 16 | 36 | * | 7-10 |
| | 17 | 1 | * | 9 |
| | 38 | * | * | * |
| | 39 | * | * | * |
| | 43 | 6 | * | * |
| | 44 | 9 | * | * |
| | 46 | 15 | * | * |
| | 47 | * | * | * |
| | 49 | * | * | * |
| | 50 | 78 | * | * |
| | 51 | * | * | * |
| D-69-23 | 9 | 31 | * | 8-9 |
| | 10 | 50 | * | * |
| | 18 | 9 | * | 7-17 |
| D-69-29 | 16 | 15 | * | 8-12 |
| | 20 | 1 | * | 9 |
| | 23 | 9 | * | 10-11 |
| | 24 | 3 | * | 9-10 |
| D-71-3 | 28 | 1 | 0.1 | 16 |
| | 29 | 1 | 0.1 | 15 |
| | 33 | 1 | 0.1 | 19 |
| D-71-11 | 23 | 3 | 0.2 | 15-17 |
| | 27 | 1 | 0.5 | 18 |
| | 34 | 2 | 0.2 | 20 |
| Del-71-3 | 60 | 4 | 0.1 | 9-10 |
| Del-72-8 | 35 | 1 | 0.1 | 14 |
| Del-72-15 | 37 | 2 | 0.1 | 20 |
| | | Peprilus triacanthus, butterfish | | |
| D-68-7 | 4 | 173 | * | 13-20 |
| | 6 | 11 | * | 8-12 |
| | 7 | 121 | * | 9-10 |
| | 8 | 28 | * | 8-10 |
| | 9 | 8 | * | 12 |
| | 10 | 275 | * | 9-10 |
| | 12 | 16 | * | * |
| | 13 | 96 | * | 8-10 |
| | 14 | 23 | * | 8-9 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Peprilus triacanthus--Cont. | | |
| | 15 | 1 | * | 10 |
| | 17 | 30 | * | 8-10 |
| | 18 | 3 | * | * |
| | 19 | 7 | * | 7-9 |
| | 20 | 20 | * | 8-13 |
| | 21 | 5 | * | 8-13 |
| | 22 | 1 | * | 12 |
| D-68-13 | 2 | 2 | * | 12-14 |
| | 3 | 150 | 2.3 | 11-15 |
| | 4 | * | * | * |
| | 5 | * | * | * |
| | 7 | 231 | 10.9 | 11-17 |
| | 9 | 30 | * | 11-14 |
| | 10 | 170 | * | 11-19 |
| | 11 | 1 | * | 14 |
| | 12 | 4 | * | 14-20 |
| | 15 | 6,587 | 26.4 | 10-17 |
| | 16 | 1,745 | 96.6 | 11-17 |
| | 17 | * | 29.5 | * |
| | 18 | * | 68.0 | * |
| | 19 | * | 38.6 | * |
| | 21 | 641 | 44.0 | 11-17 |
| | 22 | 321 | 27.4 | 12-17 |
| | 23 | 462 | 30.4 | 12-16 |
| | 24 | 389 | 25.9 | 12-18 |
| | 25 | 17 | * | 12-15 |
| | 29 | 610 | 31.1 | 10-17 |
| | 30 | 9 | 0.5 | * |
| | 31 | 8 | 0.2 | * |
| | 34 | 6,310 | 299.4 | 11-19 |
| | 36 | * | 161.0 | * |
| | 37 | 1,243 | 66.9 | 10-16 |
| | 38 | * | * | 12-15 |
| | 39 | 568 | 34.9 | 10-17 |
| | 42 | 20 | 1.1 | 13-16 |
| | 43 | 19 | * | 12-15 |
| | 44 | 33 | * | 11-15 |
| | 45 | 3 | * | 13 |
| | 46 | 341 | 18.6 | 11-18 |
| | 48 | 1 | * | * |
| | 49 | 2,490 | 189.1 | 10-19 |
| | 50 | * | 25.9 | 12-18 |
| | 51 | * | 111.8 | 13-16 |
| | 52 | 3 | * | * |
| D-69-9 | 2 | 39 | * | 8-10 |
| | 4 | * | * | * |
| | 6 | 1 | * | * |
| | 8 | 231 | * | 10-14 |
| | 13 | 50 | * | * |
| | 14 | * | 13.6 | * |
| | 15 | 300 | * | * |
| | 16 | 100 | * | * |
| | 17 | 24 | * | * |
| | 18 | 50 | * | * |
| | 20 | * | 2.3 | * |
| | 21 | 250 | * | * |
| | 26 | 15 | * | * |
| | 28 | 15 | * | * |
| | 29 | 30 | * | * |
| | 30 | 50 | * | * |
| | 31 | 50 | * | * |
| | 32 | 30 | * | * |
| | 33 | 20 | * | * |
| | 35 | 50 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Peprilus triacanthus--Cont. | | |
| | 36 | * | 136.1 | 9-16 |
| | 37 | * | 272.2 | * |
| | 38 | 1,000 | 226.8 | * |
| | 40 | 150 | * | * |
| | 41 | 1,000 | * | * |
| | 42 | 30 | * | * |
| | 43 | 300 | 18.1 | * |
| | 44 | * | 13.6 | * |
| | 45 | 200 | * | * |
| | 46 | 2 | * | 12 |
| | 48 | 6 | * | * |
| | 54 | 300 | * | 10-12 |
| | 55 | 20 | * | 12 |
| | 57 | 400 | 13.6 | * |
| | 58 | 30 | * | * |
| | 64 | 4 | * | * |
| | 65 | 5 | * | 9-12 |
| | 66 | 2 | * | 11 |
| D-69-15 | 10 | 3 | * | 6-17 |
| | 11 | * | 23.6 | 10-22 |
| | 12 | 38 | * | 13-20 |
| | 13 | 19 | * | 13-16 |
| | 14 | 130 | * | 15 |
| | 18 | 1 | * | 15 |
| | 19 | * | 7.3 | * |
| | 20 | 2 | * | * |
| | 22 | 2 | * | 18-19 |
| | 23 | 2 | * | 16-17 |
| | 26 | 2 | * | 9-10 |
| | 29 | 1 | * | 6 |
| | 30 | * | 3.6 | * |
| | 32 | 1 | * | 17 |
| | 35 | * | 2.7 | * |
| | 37 | 4 | * | 17-21 |
| | 43 | * | 3.4 | * |
| | 46 | 150 | * | 11-21 |
| | 49 | * | 36.7 | 12-18 |
| | 61 | 25 | * | 6-18 |
| | 62 | 28 | * | 16-23 |
| | 63 | 1 | * | 8 |
| | 68 | 50 | * | 6-16 |
| | 70 | 1 | * | 15 |
| D-69-21 | 1 | 1 | * | 5 |
| | 2 | 122 | * | 11-19 |
| | 3 | 80 | * | 9-20 |
| | 4 | 17 | * | 5-10 |
| | 5 | 10 | * | 8-14 |
| D-69-23 | 9 | 2 | * | 10-15 |
| | 10 | 14 | * | 11-15 |
| | 17 | 1 | * | 8 |
| | 18 | 13 | * | 5-16 |
| | 21 | * | * | * |
| | 23 | 3 | * | 8-13 |
| | 25 | * | * | * |
| | 28 | 21 | * | 7-16 |
| | 29 | * | * | * |
| | 30 | 1 | * | 8 |
| | 31 | 5 | * | 5-16 |
| | 35 | 38 | * | 5-17 |
| | 36 | 123 | * | 7-17 |
| | 37 | 150 | * | 5-12 |
| | 38 | * | * | 6-10 |
| | 43 | 8 | * | 8-11 |
| | 45 | 3 | * | 9-11 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Peprilus triacanthus--Cont. | | | |
| D-69-25 | 1 | 100 | * | 7-19 |
| | 2 | * | * | * |
| | 8 | * | * | 7-13 |
| | 9 | * | * | * |
| | 11 | 100 | * | * |
| | 12 | * | * | * |
| | 13 | * | * | * |
| D-69-29 | 7 | 1 | * | 17 |
| | 16 | 21 | * | 11-17 |
| | 17 | 2 | * | 13-15 |
| | 18 | 2 | * | 13-14 |
| | 21 | 1 | * | 13 |
| | 22 | 62 | * | 9-17 |
| | 23 | 31 | * | 7-17 |
| | 25 | 3 | * | 9-13 |
| | 26 | 11 | * | 6-13 |
| D-70-7 | 1 | 1 | + | 12 |
| | 2 | 27 | 1.1 | 12-20 |
| | 3 | 1 | 0.1 | 17 |
| D-70-16 | 1 | 28 | 1.6 | 7-20 |
| | 2 | 48 | 2.5 | 5-25 |
| | 3 | 6 | 0.1 | 7-17 |
| | 4 | 7 | 0.5 | 15-17 |
| | 6 | 146 | 4.6 | 10-20 |
| | 7 | 170 | 6.1 | 12-17 |
| | 8 | 1 | 0.1 | 16 |
| | 9 | 19 | 1.0 | 13-17 |
| | 11 | 4 | 0.1 | 10-13 |
| | 12 | 1 | 0.1 | 12 |
| | 14 | 7 | 0.2 | 13-19 |
| | 15 | 58 | 2.6 | 10-21 |
| | 16 | 1,000 | 27.2 | 6-17 |
| | 17 | 1 | 0.1 | 18 |
| | 18 | 9 | 0.5 | 7-15 |
| | 19 | 2 | + | 8-9 |
| | 20 | 25 | 0.5 | 5-9 |
| | 21 | 3 | 0.1 | 7-19 |
| | 27 | 20 | 0.5 | 7-8 |
| | 28 | 12 | 0.1 | 7-13 |
| | 29 | 2 | 0.1 | 15-18 |
| | 31 | 2 | 0.1 | 9-17 |
| | 32 | 25 | 1.0 | 7-18 |
| | 33 | 22 | 1.1 | 14-19 |
| | 34 | 3 | 0.1 | 16 |
| | 35 | 6 | 0.2 | 15-17 |
| | 39 | 2 | 0.1 | 8 |
| D-70-19 | 1 | 142 | 1.8 | 7-16 |
| | 2 | 99 | 0.8 | 7-10 |
| | 5 | 20 | 0.9 | 9-18 |
| | 6 | 20 | 0.7 | 9-16 |
| | 7 | 3 | 0.1 | 8-18 |
| | 8 | 800 | 29.0 | 9-20 |
| | 9 | 17 | 0.7 | 9-17 |
| | 10 | 165 | 8.8 | 11-19 |
| | 11 | 47 | 2.5 | 11-18 |
| | 15 | 14 | 0.1 | 4-11 |
| | 17 | 123 | 2.5 | 7-12 |
| | 18 | 4 | 0.1 | 10-12 |
| | 23 | 5 | 0.1 | 5-9 |
| | 30 | 147 | 2.6 | 5-18 |
| | 31 | 73 | 3.5 | 5-21 |
| | 32 | 11 | 0.6 | 10-18 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) | Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|---|---|---|---|---|
| | *Peprilus triacanthus*--Cont. | | | | | *Peprilus triacanthus*--Cont. | | | |
| | 34 | 2 | + | 9-10 | | 19 | 120 | 5.4 | 12-16 |
| | 39 | 63 | 1.4 | 8-17 | | 21 | 9 | 0.1 | 7-9 |
| | 40 | 2 | + | 7-10 | | 22 | 200 | 9.1 | 11-18 |
| D-71-3 | 7 | 8 | + | 3-12 | | 23 | 135 | 3.7 | 9-18 |
| | 8 | 7 | 0.1 | 9-12 | | 41 | 550 | 15.0 | 10-15 |
| | 9 | 46 | 1.0 | 9-14 | | 42 | 19 | 0.6 | 9-16 |
| | 10 | 4 | + | 4-6 | | 45 | 23 | 0.7 | 10-20 |
| | 14 | 320 | 12.7 | 12-16 | | 46 | 80 | 3.6 | 10-17 |
| | 15 | 14 | 0.1 | 4-16 | | 47 | 296 | 8.4 | 10-16 |
| | 16 | 3 | + | 4-7 | | 48 | 129 | 10.2 | 13-25 |
| | 18 | 1 | 0.1 | 18 | D-71-14 | 1 | 773 | 3.3 | 5-17 |
| | 19 | 7 | + | 4-10 | | 2 | 23 | 0.1 | 2-9 |
| | 22 | 25 | 0.2 | 5-10 | | 3 | 4 | + | 8-10 |
| | 23 | 2 | + | 5-7 | | 6 | 44 | 2.3 | 12-21 |
| | 24 | 1 | 0.1 | 17 | | 7 | 1 | + | 8 |
| | 25 | 5 | + | 2 | | 9 | 35 | 0.1 | 7-9 |
| | 27 | 2 | 0.1 | 9-10 | | 16 | 21 | 0.2 | 7-12 |
| | 33 | 2 | 0.1 | 16-17 | | 17 | 375 | 3.4 | 7-16 |
| | 38 | 1 | + | 11 | | 18 | 26 | 1.9 | 13-21 |
| D-71-11 | 2 | 2 | 0.1 | 8-10 | | 19 | 5 | 0.2 | 12-15 |
| | 3 | 1 | + | 8 | | 23 | 79 | 0.5 | 6-15 |
| | 7 | 8 | 0.3 | 13-16 | | 24 | 28 | 0.1 | 5-8 |
| | 8 | 3 | 0.1 | 14-16 | | 25 | 180 | 1.0 | 6-8 |
| | 9 | 20 | 0.8 | 11-16 | | 27 | 50 | 0.1 | 5-8 |
| | 10 | 31 | 1.0 | 11-15 | | 28 | 7 | 0.1 | 7-14 |
| | 11 | 2 | 0.1 | 14-19 | | 29 | 53 | 0.6 | 9-18 |
| | 12 | 1 | + | 7 | | 34 | 72 | 0.2 | 7-11 |
| | 13 | 42 | 2.4 | 10-17 | Del-71-2 | 1 | 221 | 4.5 | 9-15 |
| | 14 | 83 | 5.4 | 10-18 | | 2 | 161 | 1.9 | 5-12 |
| | 15 | 250 | 6.8 | 9-15 | Del-71-3 | 1 | 369 | 37.6 | 12-23 |
| | 16 | 192 | 5.4 | 9-15 | | 2 | 360 | 8.2 | 6-18 |
| | 17 | 5 | 0.2 | 13-16 | | 7 | 108 | 5.9 | 11-19 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Peprilus triacanthus*--Cont. | | | |
| | 9 | 1,045 | 52.2 | 11-21 |
| | 11 | 20 | 1.9 | 17-20 |
| | 22 | 3 | 0.5 | 19-21 |
| | 23 | 52 | 1.4 | 14-17 |
| | 36 | 1 | 0.1 | 19 |
| | 42 | 1 | 0.1 | 22 |
| | 49 | 2 | 0.2 | 10-23 |
| | 58 | 2 | 0.2 | 19-20 |
| | 61 | 5 | 0.3 | 12-21 |
| | 62 | 1 | + | 9 |
| | 66 | 3 | 0.2 | 12-19 |
| Del-72-8 | 3 | 3 | 0.2 | 14-20 |
| | 4 | 3 | 0.1 | 13-15 |
| | 6 | 10 | 0.9 | 13-29 |
| | 11 | 6 | 0.2 | 13-14 |
| | 12 | 1 | + | 11 |
| | 13 | 72 | 3.1 | 12-16 |
| | 19 | 280 | 12.7 | 11-19 |
| | 27 | 45 | 1.9 | 13-18 |
| | 34 | 57 | 2.4 | 13-19 |
| | 35 | 2 | 0.1 | 15-16 |
| | 40 | 63 | 2.9 | 13-19 |
| | 47 | 33 | 1.4 | 14-17 |
| | 55 | 31 | 1.1 | 12-21 |
| | 63 | 4 | 0.3 | 17-20 |
| | 64 | 6 | 0.1 | 12-14 |
| | 71 | 141 | 5.4 | 12-20 |
| Del-72-15 | 1 | 1,000 | 36.3 | 10-15 |
| | 2 | 1 | + | 11 |
| | 5 | 2 | + | 10-12 |
| | 6 | 22 | 1.4 | 14-20 |
| | 8 | 3 | 0.1 | 13-15 |
| | 21 | 1 | 0.1 | 15 |
| | 22 | 19 | 1.4 | 16-20 |
| | 30 | 24 | 1.1 | 15-19 |
| | 37 | 5 | 0.3 | 14-17 |
| | 38 | 1 | + | 15 |
| | 44 | 4 | 0.1 | 14-15 |
| | 45 | 48 | 2.3 | 13-17 |
| | 50 | 4 | 0.2 | 15-18 |
| | 51 | 3 | 0.1 | 14-18 |
| | 66 | 20 | 0.6 | 12-16 |
| | 68 | 1 | + | 17 |
| | 76 | 5 | 0.1 | 13-15 |
| | *Stromateidae* sp. | | | |
| Del-72-8 | 46 | 1 | 0.1 | 18 |
| | 63 | 1 | 0.1 | 10 |
| | SCORPAENIDAE | | | |
| | *Scorpaena brasiliensis*, barbfish | | | |
| Del-71-3 | 11 | 14 | 0.5 | 9-15 |
| | 27 | 4 | 1.4 | 9-29 |
| Del-72-8 | 27 | 3 | 0.6 | 9-25 |
| | *Scorpaena* sp. | | | |
| D-69-23 | 1 | 5 | * | 11-26 |
| D-69-29 | 12 | 1 | * | 6 |
| | 18 | 1 | * | 6 |
| | 19 | 1 | * | 5 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Scorpaena* sp.--Cont. | | | |
| D-71-3 | 25 | 5 | + | 7-11 |
| | 31 | 3 | 0.1 | 8-11 |
| | 33 | 5 | 0.1 | 8-12 |
| D-71-11 | 30 | 1 | + | 9 |
| Del-71-3 | 35 | 1 | + | 12 |
| | 36 | 4 | + | 5-7 |
| | 44 | 2 | 0.1 | 12-15 |
| | 47 | 1 | + | 9 |
| | 50 | 3 | 0.2 | 13-16 |
| | 51 | 2 | 0.1 | 11 |
| | 55 | 2 | 0.4 | 16-27 |
| | 56 | 3 | 0.7 | 11-28 |
| | 57 | 3 | 1.1 | 26-31 |
| Del-72-8 | 16 | 1 | + | 8 |
| | 17 | 6 | 0.3 | 11-16 |
| | 18 | 9 | 0.2 | 7-11 |
| | 26 | 18 | 1.1 | 8-21 |
| | 37 | 1 | + | 12 |
| | 38 | 4 | 0.1 | 10-14 |
| | 39 | 3 | 0.1 | 9-10 |
| | 43 | 4 | 0.1 | 10-15 |
| | 45 | 1 | 0.1 | 14 |
| | 46 | 30 | 2.3 | 10-25 |
| | 53 | 2 | 0.1 | 14 |
| Del-72-15 | 31 | 21 | 4.1 | 10-29 |
| | 39 | 5 | 0.1 | 8-12 |
| | 40 | 11 | 0.5 | 11-14 |
| | 41 | 12 | 0.5 | 9-13 |
| | 63 | 2 | 0.1 | 15-18 |
| | 71 | 3 | 0.6 | 19-26 |
| | 72 | 2 | 0.1 | 19 |
| | 73 | 1 | + | 11 |
| | TRIGLIDAE | | | |
| | *Bellator egretta*, streamer searobin | | | |
| Del-71-3 | 11 | 2 | 0.1 | 12-15 |
| | 36 | 8 | 0.1 | 8-11 |
| | 43 | 1 | + | 6 |
| Del-72-8 | 27 | 1 | + | 10 |
| | 39 | 22 | 0.5 | 8-11 |
| Del-72-15 | 14 | 2 | 0.1 | 14-15 |
| | 30 | 1 | 0.1 | 12 |
| | 39 | 2 | + | 8-9 |
| | 72 | 1 | + | 14 |
| | 73 | 1 | + | 12 |
| | *Peristedion miniatum*, armored searobin | | | |
| Del-71-3 | 11 | 1 | + | 11 |
| Del-72-8 | 19 | 18 | 0.5 | 14-24 |
| Del-72-15 | 65 | 37 | 0.2 | 8-10 |
| | *Prionotus alatus*, spiny searobin | | | |
| D-69-29 | 19 | 1 | * | * |
| D-71-3 | 18 | 50 | 0.3 | 3-21 |
| | 19 | 5 | + | 5-13 |
| | 23 | 11 | 0.6 | 7-19 |
| | 24 | 3 | + | 6-7 |
| | 32 | 1 | + | 11 |
| | 39 | 4 | + | 3-6 |
| Del-72-8 | 19 | 8 | 0.3 | 13-16 |
| | 55 | 4 | 0.2 | 13-16 |
| | 63 | 4 | 0.1 | 9-18 |
| Del-72-15 | 14 | 2 | 0.1 | 14-15 |
| | 38 | 3 | 0.2 | 15 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | *Prionotus alatus*--Cont. | | |
| | 65 | 69 | 2.4 | 13-16 |
| | 72 | 1 | + | 6 |
| | 73 | 5 | 0.1 | 12-15 |
| | | *Prionotus carolinus*, northern searobin | | |
| D-68-7 | 1 | 7 | * | * |
| | 3 | 2 | * | * |
| | 4 | 1 | * | * |
| | 8 | 1 | * | * |
| | 10 | 1 | * | * |
| | 12 | 1 | * | * |
| | 14 | 7 | * | * |
| D-69-9 | 4 | 46 | * | * |
| | 5 | 17 | * | 24-30 |
| | 7 | * | * | * |
| | 8 | 1 | * | 9 |
| | 19 | 3 | * | * |
| | 25 | 2 | * | * |
| | 34 | 3 | * | * |
| | 43 | 2 | * | * |
| | 47 | 2 | * | * |
| | 48 | 5 | * | * |
| | 50 | 4 | * | * |
| | 51 | 2 | * | * |
| | 54 | 3 | * | * |
| | 57 | 3 | * | * |
| | 58 | 5 | * | * |
| | 62 | 14 | * | * |
| | 63 | 6 | * | * |
| | 65 | 1 | * | 23 |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | *Prionotus carolinus*--Cont. | | |
| D-69-15 | 7 | 6 | * | * |
| | 8 | 7 | * | * |
| | 9 | * | 27.2 | * |
| | 10 | * | 167.8 | * |
| | 11 | * | 122.5 | * |
| | 12 | * | 258.6 | * |
| | 13 | * | 27.2 | * |
| | 14 | 3,700 | 340.2 | * |
| | 15 | * | 27.2 | * |
| | 16 | 4 | * | 20-30 |
| | 18 | 2 | * | * |
| | 20 | 5 | * | * |
| | 21 | 6 | * | 19-29 |
| | 22 | 500 | * | * |
| | 24 | 350 | 40.8 | * |
| | 25 | 7 | * | * |
| | 26 | * | 20.4 | * |
| | 27 | * | 18.1 | * |
| | 28 | * | 870.9 | * |
| | 29 | * | 54.4 | * |
| | 30 | 3 | * | * |
| | 31 | 1 | * | 26 |
| | 32 | 2 | * | 26-27 |
| | 33 | 1 | * | 26 |
| | 35 | 26 | * | * |
| | 36 | 4 | * | 21-28 |
| | 37 | 35 | * | * |
| | 38 | * | * | * |
| | 39 | * | 176.9 | * |
| | 40 | 90 | * | * |
| | 41 | * | 13.6 | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Prionotus carolinus*--Cont. | | | |
| | 42 | * | * | * |
| | 44 | * | 40.8 | * |
| | 45 | * | 68.0 | * |
| | 46 | * | 6.8 | * |
| | 47 | * | * | * |
| | 48 | * | * | * |
| | 49 | * | * | * |
| | 50 | 6 | * | * |
| | 52 | 2 | * | * |
| | 54 | 8 | * | * |
| | 55 | 4 | * | * |
| | 56 | * | * | * |
| | 57 | * | * | * |
| | 58 | * | * | * |
| | 60 | * | * | * |
| | 61 | * | 136.1 | * |
| | 62 | * | 129.3 | * |
| | 63 | 20 | * | * |
| | 65 | 1 | * | 23 |
| | 68 | * | 13.6 | * |
| | 69 | * | 226.8 | * |
| | 70 | * | 38.8 | * |
| D-69-21 | 1 | * | * | * |
| | 2 | 44 | * | * |
| | 3 | 300 | * | * |
| | 4 | * | * | * |
| | 5 | 14 | * | * |
| D-69-23 | 1 | * | * | * |
| | 2 | 3 | * | * |
| | 5 | 1 | * | 23 |
| | 7 | 1 | * | * |
| | 8 | 2 | * | * |
| | 9 | 1 | * | * |
| | 10 | 2 | * | * |
| | 11 | 21 | * | * |
| | 12 | 40 | * | * |
| | 13 | * | * | * |
| | 14 | * | * | * |
| | 15 | 43 | * | * |
| | 16 | * | * | * |
| | 19 | * | * | * |
| | 20 | 1 | * | 16 |
| | 21 | * | * | * |
| | 22 | 5 | * | * |
| | 24 | 2 | * | * |
| | 25 | * | * | * |
| | 28 | 2 | * | * |
| | 29 | * | * | * |
| | 30 | * | * | * |
| | 31 | * | * | * |
| | 32 | 7 | * | * |
| | 33 | * | * | * |
| | 34 | * | * | * |
| | 35 | * | * | * |
| | 36 | * | * | * |
| | 37 | 12 | * | * |
| | 38 | 2 | * | * |
| | 39 | * | + | * |
| | 40 | * | * | * |
| | 41 | * | * | * |
| | 42 | 14 | * | * |
| | 43 | 22 | * | 21-32 |
| | 45 | * | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Prionotus carolinus--Cont. | | |
| D-69-25 | 3 | 1 | * | * |
| | 4 | 6 | * | * |
| | 5 | * | * | * |
| | 6 | * | * | * |
| | 7 | * | * | * |
| | 8 | 2 | * | * |
| | 9 | 6 | * | * |
| | 10 | 2 | * | * |
| | 11 | 1 | * | * |
| | 13 | 2 | * | * |
| D-69-29 | 1 | 2 | * | 18-22 |
| | 6 | 1 | * | 19 |
| | 18 | 3 | * | 23-27 |
| | 19 | 55 | 7.3 | * |
| | 20 | 2 | * | 23 |
| | 23 | 1 | * | 11 |
| | 27 | * | * | * |
| D-70-7 | 2 | 1 | + | 11 |
| | 3 | 1 | 0.1 | 24 |
| | 4 | 3 | 0.2 | 12-13 |
| D-70-16 | 1 | 40 | 1.6 | 11-25 |
| | 2 | 31 | 1.8 | 11-29 |
| | 3 | 8 | 0.5 | 12-21 |
| | 5 | 3 | 0.5 | 28-29 |
| | 6 | 75 | 10.2 | 23-28 |
| | 7 | 613 | 66.2 | * |
| | 8 | 31 | 3.6 | 21-27 |
| | 9 | 84 | 14.1 | * |
| | 10 | 20 | 4.2 | 22-30 |
| | 11 | 130 | 18.6 | * |
| | 12 | 220 | 80.7 | 22-26 |
| | 13 | 130 | 33.1 | 22-26 |
| | 14 | 910 | 134.3 | * |
| | 15 | 28 | 4.1 | 23-30 |
| | 16 | 300 | 23.1 | 23-30 |
| | 17 | 9 | 1.4 | 23-28 |
| | 18 | 24 | 3.4 | 21-27 |
| | 19 | 80 | 7.9 | 23-28 |
| | 20 | 13 | 2.2 | 24-29 |
| | 21 | 250 | 27.9 | 14-29 |
| | 22 | 27 | 4.4 | 13-29 |
| | 23 | 23 | 3.7 | 22-29 |
| | 24 | 21 | 3.3 | 15-31 |
| | 25 | 32 | 4.4 | 13-28 |
| | 26 | 9 | 0.7 | 12-27 |
| | 27 | 200 | 21.3 | * |
| | 28 | 308 | 38.1 | * |
| | 29 | 74 | 6.8 | 10-29 |
| | 30 | 12 | 1.1 | 13-26 |
| | 31 | 16 | 2.0 | 13-29 |
| | 32 | 7 | 0.5 | 12-22 |
| | 33 | 1 | 0.1 | 22 |
| | 34 | 304 | 41.3 | * |
| | 35 | 79 | 7.3 | 12-27 |
| | 36 | 101 | 7.8 | 11-29 |
| | 37 | 1 | 0.1 | 17 |
| | 39 | 52 | 4.1 | 12-30 |
| D-70-19 | 1 | 11 | 0.8 | 13-28 |
| | 2 | 3 | 0.1 | 14-20 |
| | 3 | 1 | 0.1 | 26 |
| | 5 | 5 | 1.0 | 26-29 |
| | 6 | 45 | 7.3 | 15-28 |
| | 7 | 730 | 74.2 | 20-26 |
| | 8 | 648 | 117.5 | 20-26 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Prionotus carolinus--Cont. | | |
| | 9 | 172 | 11.1 | 13-29 |
| | 10 | 18 | 4.1 | 21-30 |
| | 11 | 2 | 0.5 | 28-29 |
| | 12 | 2 | 0.5 | 26-30 |
| | 13 | 467 | 63.5 | 21-29 |
| | 14 | 1,040 | 117.9 | 21-28 |
| | 15 | 19 | 2.7 | 21-28 |
| | 16 | 228 | 28.1 | 11-30 |
| | 17 | 14 | 2.3 | 20-28 |
| | 18 | 29 | 4.8 | 11-31 |
| | 19 | 36 | 6.4 | 23-28 |
| | 20 | 2 | 0.2 | 23-27 |
| | 22 | 19 | 2.8 | 22-29 |
| | 23 | 896 | 127.0 | 13-28 |
| | 24 | 320 | 41.7 | 16-26 |
| | 25 | 4 | 0.3 | 23-26 |
| | 27 | 1 | 0.1 | 23 |
| | 28 | 1 | 0.1 | 25 |
| | 29 | 628 | 71.2 | 12-26 |
| | 30 | 114 | 18.1 | 16-30 |
| | 31 | 79 | 12.7 | 22-29 |
| | 32 | 720 | 98.0 | 12-18 |
| | 33 | 2 | 0.5 | 25-28 |
| | 36 | 52 | 6.8 | 21-27 |
| | 37 | 1 | 0.1 | 24 |
| | 39 | 26 | 1.5 | 12-20 |
| | 40 | 190 | 8.2 | 9-25 |
| D-71-3 | 15 | 6 | + | 11-14 |
| | 16 | 1 | 0.3 | 11-19 |
| D-71-11 | 4 | 1,173 | 159.7 | 14-28 |
| | 5 | 1,194 | 182.8 | 22-28 |
| | 6 | 640 | 87.1 | 21-27 |
| | 7 | 1,087 | 147.9 | 21-27 |
| | 8 | 43 | 7.9 | 14-29 |
| | 9 | 6 | 0.7 | 12-28 |
| | 10 | 295 | 21.8 | 17-26 |
| | 11 | 3,032 | 361.1 | 17-28 |
| | 12 | 373 | 44.6 | 18-27 |
| | 15 | 4 | 0.2 | 13-15 |
| | 17 | 1 | 0.1 | 12 |
| | 18 | 40 | 0.9 | 10-19 |
| | 19 | 21 | 0.5 | 11-20 |
| | 20 | 121 | 2.9 | 12-24 |
| | 21 | 7 | + | 8-12 |
| | 22 | 3 | 0.1 | 13 |
| | 23 | 5 | 0.1 | 8-13 |
| | 28 | 4 | 0.1 | 13-14 |
| | 29 | 73 | 1.1 | 11-13 |
| | 31 | 2 | * | 13 |
| | 32 | 3 | 0.1 | 16 |
| | 34 | 1 | + | 10 |
| | 36 | 5 | 0.5 | 12-21 |
| | 37 | 1 | 0.1 | 17 |
| | 38 | 57 | 6.8 | 21-25 |
| | 39 | 1 | 0.1 | 21 |
| | 41 | 78 | 7.0 | 14-28 |
| | 42 | 4 | 0.5 | 15-29 |
| | 43 | 23 | 0.5 | 8-12 |
| | 44 | 421 | 54.9 | 15-28 |
| | 45 | 19 | 2.3 | 13-28 |
| | 46 | 20 | 2.5 | 12-31 |
| | 47 | 800 | 54.4 | 14-24 |
| | 48 | 2,126 | 253.1 | 17-27 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Prionotus carolinus--Cont. | | |
| D-71-14 | 1 | 7 | 0.5 | 15-27 |
| | 2 | 3 | 0.5 | 25-28 |
| | 3 | 1 | 0.2 | 31 |
| | 6 | 9 | 0.7 | 18-22 |
| | 7 | 66 | 6.1 | 18-30 |
| | 8 | 1,003 | 154.7 | 20-27 |
| | 16 | 1,138 | 67.1 | 20-27 |
| | 17 | 2,286 | 228.2 | 18-25 |
| | 18 | 5 | 0.6 | 18-24 |
| | 19 | 2 | 0.2 | 25-27 |
| | 24 | 22 | 2.7 | 23-27 |
| | 25 | 65 | 10.4 | 23-29 |
| | 26 | 200 | 29.5 | 17-30 |
| | 27 | 20 | 2.9 | 18-29 |
| | 28 | 1 | 0.1 | 24 |
| Del-71-2 | 3 | 6 | 0.8 | 21-27 |
| | 4 | 4 | 0.6 | 21-26 |
| | 5 | 1 | 0.1 | 28 |
| | 6 | 9 | 1.4 | 19-25 |
| | 7 | 13 | 1.7 | 23-26 |
| | 8 | 23 | 3.5 | 18-30 |
| Del-71-3 | 5 | 10 | 0.6 | 14-26 |
| | 6 | 26 | 1.8 | 16-29 |
| | 7 | 1 | 0.1 | 16 |
| | 8 | 4 | 0.2 | 18-22 |
| | 9 | 8 | 0.3 | 16-18 |
| | 12 | 1 | 0.1 | 26 |
| | 13 | 4 | 0.5 | 19-26 |
| | 16 | 7 | 1.2 | 22-25 |
| | 17 | 4 | 0.3 | 22-23 |
| | 18 | 5 | 0.6 | 22-24 |
| | 20 | 4 | 0.2 | 17-19 |
| | 26 | 34 | 1.5 | 15-18 |
| | 27 | 4 | 0.1 | 16-22 |
| | 31 | 1 | 0.1 | 20 |
| | 43 | 1 | 0.1 | 18 |
| | 49 | 8 | 0.7 | 20-24 |
| | 50 | 53 | 4.3 | 15-24 |
| | 51 | 54 | 4.3 | 15-24 |
| | 52 | 1 | 0.1 | 23 |
| | 54 | 13 | 0.5 | 10-14 |
| | 55 | 47 | 5.7 | 19-25 |
| | 56 | 37 | 4.1 | 16-26 |
| | 57 | 20 | 2.3 | 19-26 |
| | 58 | 36 | 4.3 | 18-26 |
| | 61 | 8 | 1.1 | 18-29 |
| | 62 | 2 | 0.2 | 18 |
| | 63 | 6 | 0.3 | 18-20 |
| | 64 | 17 | 1.2 | 17-24 |
| | 68 | 22 | 1.8 | 4-26 |
| Del-72-8 | 7 | 1 | 0.1 | 19 |
| | 17 | 295 | 26.8 | 17-26 |
| | 18 | 3 | 0.3 | 18-24 |
| | 26 | 2 | 0.2 | 20-21 |
| | 30 | 1 | 0.1 | 19 |
| | 33 | 1 | + | 15 |
| | 46 | 20 | 1.9 | 19-24 |
| | 54 | 8 | 0.5 | 18-21 |
| Del-72-15 | 8 | 9 | 0.9 | 18-27 |
| | 9 | 9 | 1.2 | 20-26 |
| | 11 | 2 | 0.2 | 25-26 |
| | 15 | 15 | 0.9 | 19-23 |
| | 17 | 119 | 12.7 | 20-26 |
| | 21 | 1 | 0.1 | 12 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Prionotus carolinus*--Cont. | | | |
| | 27 | 1 | 0.1 | 21 |
| | 29 | 1 | + | 9 |
| | 31 | 25 | 2.9 | 21-25 |
| | 40 | 2 | 0.1 | 20-21 |
| | 49 | 1 | 0.1 | 20 |
| | 52 | 1 | 0.1 | 20 |
| | 59 | 95 | 0.6 | 7-12 |
| | 60 | 76 | 1.2 | 7-14 |
| | 62 | 2 | 0.1 | 20-21 |
| | 63 | 5 | 0.3 | 20-23 |
| | 67 | 1 | + | 16 |
| | 68 | 3 | 0.1 | 15-19 |
| | 69 | 65 | 6.1 | 16-26 |
| | 70 | 143 | 17.2 | 19-26 |
| | 71 | 10 | 1.2 | 20-24 |
| | 76 | 57 | 4.0 | 12-23 |
| | 77 | 32 | 1.0 | 3-19 |
| | *Prionotus evolans*, striped searobin | | | |
| D-68-7 | 1 | 33 | * | * |
| | 2 | 6 | * | * |
| | 3 | 4 | * | * |
| | 10 | 5 | * | * |
| | 12 | 71 | * | * |
| | 13 | 7 | * | * |
| | 14 | 6 | * | * |
| | 15 | 1 | * | * |
| | 17 | 1 | * | * |
| D-69-9 | 2 | * | * | * |
| | 7 | * | * | * |
| | 25 | 2 | * | * |
| | 47 | 1 | * | * |
| D-69-15 | 10 | 1 | * | * |
| | 11 | 1 | * | 34 |
| | 12 | 2 | * | * |
| | 13 | 15 | * | * |
| | 14 | 25 | 3.6 | 31-33 |
| | 15 | 6 | * | * |
| | 21 | 14 | * | 21-30 |
| | 22 | 12 | * | * |
| | 25 | 8 | * | * |
| | 26 | 18 | * | 16-20 |
| | 27 | 13 | * | 18-26 |
| | 29 | * | 11.3 | * |
| | 34 | 1 | * | 26 |
| | 35 | 4 | * | * |
| | 36 | 20 | * | 30-43 |
| | 37 | 15 | * | * |
| | 38 | * | * | * |
| | 39 | 6 | * | * |
| | 40 | 20 | * | * |
| | 41 | 25 | * | * |
| | 42 | * | * | * |
| | 43 | * | 13.6 | * |
| | 44 | * | 18.1 | * |
| | 45 | * | 13.6 | * |
| | 46 | * | 6.8 | * |
| | 47 | * | * | * |
| | 48 | * | * | * |
| | 49 | * | * | * |
| | 50 | 6 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Prionotus evolans--Cont. | | | |
| | 55 | 2 | * | * |
| | 56 | * | * | * |
| | 57 | * | * | * |
| | 58 | * | * | * |
| | 60 | * | * | * |
| | 61 | * | 27.2 | * |
| | 62 | * | 81.6 | * |
| | 63 | 6 | * | * |
| | 68 | * | 4.5 | * |
| | 69 | * | 9.1 | * |
| | 70 | * | 2.0 | * |
| D-69-21 | 2 | 15 | * | * |
| D-69-23 | 1 | 5 | * | * |
| | 8 | 1 | * | * |
| | 13 | 7 | * | * |
| | 15 | 17 | * | * |
| | 16 | * | * | * |
| | 20 | 1 | * | 42 |
| | 22 | 3 | * | * |
| | 27 | 1 | * | 29 |
| | 28 | 1 | * | * |
| | 29 | 20 | * | * |
| | 31 | 10 | * | * |
| | 32 | 4 | * | * |
| | 33 | 2 | * | * |
| | 35 | * | * | * |
| | 36 | * | * | * |
| | 37 | 22 | * | * |
| | 38 | 1 | * | * |
| | 39 | 2 | * | * |
| | 44 | 1 | 0.1 | * |
| | 45 | * | * | * |
| D-69-25 | 1 | 100 | * | * |
| | 2 | * | * | * |
| | 6 | * | * | * |
| | 7 | * | * | * |
| | 8 | 11 | * | * |
| | 9 | 16 | * | * |
| | 10 | 6 | * | * |
| | 11 | 3 | * | * |
| | 13 | 3 | * | * |
| D-69-29 | 7 | 1 | * | 22 |
| | 12 | 1 | * | 39 |
| D-70-16 | 1 | 4 | 1.4 | 28 |
| | 2 | 3 | 1.2 | 23-37 |
| | 3 | 3 | 1.1 | 30-31 |
| | 5 | 3 | 0.5 | 14-34 |
| | 6 | 1 | 0.7 | 32 |
| | 7 | 1 | 0.1 | 17 |
| | 9 | 2 | 0.1 | 15-17 |
| | 10 | 9 | 1.1 | 15-34 |
| | 12 | 2 | 0.2 | 16-24 |
| | 13 | 6 | 1.2 | 22-27 |
| | 14 | 9 | 1.8 | 18-34 |
| | 15 | 7 | 1.1 | 17-34 |
| | 16 | 6 | 1.2 | 17-31 |
| | 17 | 8 | 1.6 | 18-34 |
| | 18 | 7 | 1.6 | 19-27 |
| | 21 | 20 | 4.3 | 17-35 |
| | 22 | 2 | 0.2 | 21-27 |
| | 23 | 5 | 0.9 | 17-30 |
| | 24 | 2 | 0.2 | 20-25 |
| | 26 | 5 | 1.2 | * |
| | 29 | 7 | 1.2 | 16-38 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) | Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|---|---|---|---|---|
| | Prionotus evolans--Cont. | | | | | Prionotus evolans--Cont. | | | |
| | 34 | 150 | 13.6 | * | | 33 | 1 | 0.5 | 32 |
| | 35 | 16 | 1.5 | 16-24 | | 39 | 10 | 1.8 | 19-28 |
| | 36 | 31 | 2.0 | 17-22 | | 40 | 29 | 5.0 | 9-31 |
| | 37 | 1 | 0.1 | 17 | D-71-11 | 3 | 2 | 0.6 | 28-31 |
| | 39 | 3 | 1.2 | 26-32 | | 4 | 19 | 7.9 | 13-39 |
| D-70-19 | 1 | 8 | 2.2 | 18-35 | | 5 | 7 | 2.0 | 25-32 |
| | 2 | 3 | 0.3 | 21-24 | | 6 | 6 | 1.6 | 22-29 |
| | 3 | 1 | 0.1 | 21 | | 7 | 18 | 4.8 | 20-32 |
| | 4 | 1 | 0.2 | 26 | | 8 | 25 | 3.9 | 20-26 |
| | 6 | 7 | 1.2 | 16-33 | | 9 | 155 | 44.0 | 22-33 |
| | 7 | 4 | 0.5 | 21-22 | | 10 | 7 | 2.8 | 25-40 |
| | 8 | 1 | 0.7 | 32 | | 11 | 6 | 1.7 | 20-29 |
| | 9 | 13 | 1.1 | 15-30 | | 15 | 1 | 0.1 | 18 |
| | 10 | 2 | 0.8 | 32-33 | | 18 | 3 | 0.3 | 18 |
| | 12 | 1 | 0.2 | 35 | | 19 | 6 | 0.9 | 18-25 |
| | 13 | 4 | 0.8 | 19-30 | | 38 | 1 | 0.2 | 28 |
| | 14 | 7 | 1.0 | 18-25 | | 43 | 2 | 0.2 | 19-23 |
| | 15 | 3 | 0.6 | 23-27 | | 46 | 50 | 8.8 | 17-28 |
| | 16 | 55 | 11.3 | 20-34 | | 47 | 66 | 15.6 | 19-38 |
| | 17 | 4 | 0.9 | 25-26 | | 48 | 32 | 9.3 | 14-35 |
| | 18 | 15 | 2.7 | 16-29 | D-71-14 | 1 | 5 | 1.0 | 9-34 |
| | 19 | 66 | 22.7 | 21-31 | | 6 | 32 | 9.1 | 23-36 |
| | 20 | 3 | 0.9 | 29-32 | | 7 | 1 | 0.5 | 32 |
| | 23 | 20 | 5.4 | 20-38 | | 8 | 6 | 1.7 | 21-33 |
| | 24 | 1 | 0.3 | 29 | | 16 | 1 | 0.2 | 27 |
| | 25 | 1 | 0.1 | 25 | | 17 | 11 | 2.6 | 23-32 |
| | 26 | 3 | 0.9 | 25-32 | | 18 | 36 | 10.4 | 23-38 |
| | 28 | 5 | 1.8 | 29-33 | | 19 | 31 | 7.9 | 20-34 |
| | 29 | 8 | 2.0 | 22-31 | | 26 | 24 | 5.0 | 21-32 |
| | 31 | 1 | 0.5 | 31 | | 27 | 1 | 0.2 | 30 |
| | 32 | 1 | 0.6 | 33 | | | | | |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Prionotus evolans*--Cont. | | | |
| Del-71-2 | 3 | 2 | 0.6 | 14-31 |
| | 4 | 1 | 0.1 | 13 |
| | 5 | 1 | + | 12 |
| | 7 | 1 | 0.3 | 28 |
| Del-71-3 | 5 | 1 | 0.2 | 26 |
| | 6 | 2 | 0.6 | 25-30 |
| | 7 | 4 | 0.2 | 10-24 |
| | 8 | 1 | 0.1 | 25 |
| | 9 | 2 | 0.3 | 20-28 |
| | 12 | 2 | 0.1 | 20-24 |
| | 13 | 2 | 0.1 | 19-21 |
| | 14 | 1 | 0.1 | 20 |
| | 32 | 1 | 0.1 | 24 |
| | 49 | 1 | 0.2 | 27 |
| | 53 | 1 | 0.5 | 32 |
| | 58 | 20 | 2.9 | 11-32 |
| | 59 | 3 | 2.0 | 31-36 |
| | 61 | 2 | 0.5 | 28 |
| | 65 | 12 | 3.5 | 17-31 |
| | 67 | 4 | 1.2 | 10-35 |
| Del-72-8 | 68 | 1 | 0.5 | 35 |
| | 71 | 1 | 0.6 | 33 |
| | 72 | 1 | 0.5 | 33 |
| Del-72-15 | 3 | 1 | 0.3 | 29 |
| | 9 | 7 | 2.9 | 27-36 |
| | 11 | 4 | 1.4 | 27-32 |
| | 25 | 1 | 0.2 | 29 |
| | 55 | 1 | 0.2 | 29 |
| | 69 | 3 | 1.4 | 28-33 |
| | 76 | 5 | 1.2 | 22-36 |
| | 77 | 7 | 0.1 | 10-15 |
| | *Prionotus ophryas*, bandtail searobin | | | |
| Del-71-3 | 26 | 1 | 0.1 | 13 |
| | 27 | 2 | 0.2 | 17-20 |
| | 37 | 4 | 0.2 | 14-17 |
| | 38 | 1 | 0.1 | 20 |
| | 43 | 2 | 0.5 | 21-25 |
| | 44 | 1 | 0.1 | 19 |
| | 54 | 2 | + | 7-11 |
| | 56 | 1 | + | 14 |
| | 57 | 1 | 0.1 | 20 |
| Del-72-8 | 45 | 2 | 0.1 | 15-19 |
| Del-72-15 | 39 | 1 | 0.1 | 16 |
| | 71 | 1 | 0.1 | 19 |
| | *Prionotus salmonicolor*, blackwing searobin | | | |
| D-71-11 | 19 | 1 | 0.7 | * |
| | 24 | 1 | 0.3 | 29 |
| | 28 | 4 | 0.9 | 28-30 |
| | 29 | 2 | 0.2 | 17 |
| | 30 | 1 | 0.5 | 30 |
| Del-71-3 | 30 | 3 | 0.6 | 19-32 |
| | 32 | 3 | 0.8 | 30-33 |
| | 33 | 1 | 0.2 | 32 |
| | 37 | 1 | 0.3 | 31 |
| | 44 | 4 | 0.9 | 20-31 |
| | 45 | 1 | 0.6 | 33 |
| | 55 | 2 | 0.7 | 32-36 |
| | 56 | 7 | 1.1 | 17-46 |
| | 57 | 2 | 0.8 | 31-33 |
| Del-72-8 | 7 | 1 | 0.1 | 18 |
| | 16 | 1 | 0.1 | 26 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Prionotus salmonicolor*--Cont. | | | |
| | 18 | 9 | 0.6 | 14-19 |
| | 29 | 1 | + | 20 |
| | 30 | 1 | 0.3 | 33 |
| | 31 | 3 | 0.8 | 26-31 |
| | 32 | 4 | 1.4 | 26-32 |
| | 37 | 1 | 0.1 | 17 |
| | 39 | 1 | 0.1 | 17 |
| | 40 | 3 | + | 8-12 |
| | 43 | 3 | 1.2 | 29-34 |
| | 44 | 2 | 0.2 | 19-26 |
| | 45 | 3 | 1.1 | 28-33 |
| | 68 | 2 | 0.7 | 24-31 |
| Del-72-15 | 8 | 1 | 0.2 | 27 |
| | 9 | 5 | 1.7 | 27-33 |
| | 11 | 2 | 0.5 | 28-30 |
| | 33 | 5 | 1.6 | 27-33 |
| | 37 | 1 | 0.2 | 18 |
| | 41 | 2 | 0.3 | 17-32 |
| | 42 | 2 | 0.6 | 16-29 |
| | 45 | 7 | 2.7 | 24-33 |
| | 46 | 1 | 0.5 | 30 |
| | 47 | 6 | 1.4 | 21-32 |
| | 48 | 3 | 0.9 | 19-33 |
| | 49 | 1 | 0.1 | 25 |
| | 55 | 4 | 0.9 | 21-31 |
| | 69 | 1 | 0.2 | 26 |
| | *Prionotus scitulus*, leopard searobin | | | |
| D-69-23 | 8 | 1 | * | * |
| | 10 | 1 | * | * |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Prionotus scitulus*--Cont. | | | |
| D-69-29 | 1 | 1 | * | 25 |
| | 3 | 1 | * | 15 |
| | 6 | 16 | * | 10-21 |
| | 7 | 10 | * | 12-22 |
| | 8 | 7 | * | 10-21 |
| | 9 | 18 | * | 9-20 |
| | 10 | 15 | * | 9-20 |
| | 11 | 42 | * | 9-20 |
| | 12 | 3 | * | 12-14 |
| | 13 | 3 | * | 6-25 |
| | 14 | 13 | * | 10-20 |
| | 15 | 1 | * | 13 |
| | 16 | 3 | * | 10-11 |
| | 17 | 2 | * | 8-11 |
| | 18 | 2 | * | 10-17 |
| | 19 | 3 | * | 22-23 |
| | 26 | 1 | * | 12 |
| | 27 | * | * | * |
| D-71-3 | 12 | 1 | + | 12 |
| | 13 | 2 | + | 12-13 |
| | 14 | 2 | + | 9-14 |
| | 17 | 6 | 0.2 | 6-24 |
| | 25 | 4 | 0.3 | 19-20 |
| | 26 | 2 | 0.1 | 20 |
| | 27 | 10 | 0.1 | 7-10 |
| | 28 | 1 | + | 8 |
| | 29 | 2 | + | 9 |
| | 30 | 3 | + | 4-6 |
| | 31 | 6 | 0.3 | 14-19 |
| D-71-11 | 19 | 16 | 0.8 | 15-23 |
| | 20 | 5 | 0.2 | 17-21 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Prionotus scitulus*--Cont. | | | |
| | 30 | 14 | 0.9 | 16-23 |
| | 32 | 2 | 0.1 | 19 |
| | 35 | 3 | 0.1 | 14-21 |
| | 37 | 1 | 0.1 | 22 |
| Del-71-3 | 9 | 1 | 0.1 | 18 |
| | 18 | 1 | 0.1 | 22 |
| | 20 | 1 | 0.1 | 18 |
| | 21 | 3 | 0.2 | 14-20 |
| | 22 | 6 | 0.1 | 11-20 |
| | 23 | 1 | + | 11 |
| | 25 | 4 | 0.2 | 15-19 |
| | 27 | 4 | 0.3 | 18-26 |
| | 35 | 1 | 0.1 | 14 |
| | 36 | 1 | + | 17 |
| | 43 | 5 | 1.3 | 20-26 |
| | 46 | 2 | 0.1 | 18-20 |
| | 47 | 8 | 0.3 | 16-20 |
| | 48 | 1 | 0.1 | 17 |
| | 50 | 2 | 0.1 | 21-22 |
| | 51 | 3 | 0.3 | 19-25 |
| | 52 | 2 | 0.1 | 19-22 |
| | 53 | 4 | 0.2 | 15-22 |
| | 54 | 16 | 0.5 | 12-15 |
| | 59 | 1 | 0.1 | 19 |
| Del-72-8 | 12 | 1 | + | 15 |
| | 13 | 1 | + | 13 |
| | 14 | 2 | + | 10-17 |
| | 15 | 8 | 0.1 | 8-21 |
| | 22 | 1 | + | 19 |
| | 24 | 2 | 0.1 | 19-22 |
| | 32 | 1 | 0.1 | 22 |
| | 33 | 2 | + | 11-18 |
| | 36 | 1 | + | 16 |
| | 37 | 1 | 0.1 | 19 |
| | 38 | 1 | 0.1 | 21 |
| | 41 | 3 | 0.2 | 11-21 |
| | 43 | 2 | 0.1 | 23 |
| | 44 | 1 | 0.1 | 19 |
| | 53 | 2 | 0.2 | 18-20 |
| | 62 | 6 | 0.5 | 16-24 |
| | 72 | 9 | 0.6 | 17-22 |
| | 73 | 3 | 0.3 | 19-22 |
| Del-72-15 | 9 | 1 | 0.1 | 18 |
| | 11 | 1 | 0.1 | 25 |
| | 19 | 2 | 0.2 | 22-24 |
| | 27 | 2 | 0.2 | 21-22 |
| | 28 | 4 | 0.2 | 17-24 |
| | 42 | 6 | 0.3 | 12-19 |
| | 55 | 11 | 0.8 | 19-24 |
| | 61 | 8 | 0.3 | 15-19 |
| | 67 | 1 | + | 10 |
| | 68 | 2 | 0.2 | 19-21 |
| | 75 | 3 | 0.2 | 20 |
| | 77 | 6 | 0.2 | 9-19 |
| | *Prionotus tribulus*, bighead searobin | | | |
| D-69-23 | 1 | 2 | * | * |
| | 5 | 2 | * | 22-25 |
| | 9 | 1 | * | * |
| | 14 | 1 | * | 7 |
| | 15 | 6 | * | * |
| | 18 | 4 | * | 15-18 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Prionotus tribulus*--Cont. | | | |
| D-69-29 | 6 | 1 | * | 11 |
| | 15 | 1 | * | 6 |
| | 16 | 2 | * | 25-32 |
| | 17 | 1 | * | 6 |
| | 24 | 5 | * | 6-8 |
| | 25 | 2 | * | 6-8 |
| | 26 | 3 | * | 11 |
| | 27 | * | * | * |
| D-71-3 | 34 | 1 | 0.3 | 35 |
| Del-71-3 | 12 | 4 | 1.4 | 25-34 |
| | 13 | 3 | 0.6 | 26-31 |
| | 25 | 1 | 0.5 | 27 |
| | 28 | 2 | 0.6 | 21-33 |
| | 34 | 1 | 0.1 | 12 |
| | 52 | 1 | 0.2 | 23 |
| | 56 | 2 | 0.2 | * |
| | 57 | 1 | 0.5 | 33 |
| Del-72-8 | 10 | 1 | 0.6 | 32 |
| | 24 | 2 | 0.5 | 24 |
| | 45 | 1 | 0.6 | 33 |
| | 54 | 1 | 0.1 | 20 |
| | 62 | 1 | 0.5 | 32 |
| | 65 | 3 | 1.2 | 30 |
| Del-72-15 | 67 | 1 | 0.2 | 25 |
| | *Prionotus* sp. | | | |
| Del-72-8 | 46 | 1 | 0.1 | 24 |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | COTTIDAE | | | |
| | *Hemitripterus americanus*, sea raven | | | |
| D-69-15 | 67 | 1 | * | 13 |
| D-70-7 | 3 | 1 | 0.1 | 22 |
| D-70-16 | 4 | 1 | 0.1 | 27 |
| D-70-19 | 35 | 1 | 0.2 | 24 |
| D-71-14 | 12 | 1 | + | 6 |
| | 21 | 1 | 0.3 | 29 |
| | 32 | 3 | 0.7 | 17-25 |
| | *Myoxocephalus octodecemspinosus*, longhorn sculpin | | | |
| D-69-9 | 68 | 3 | * | 28-29 |
| D-69-25 | 5 | 6 | * | 15-25 |
| D-70-7 | 2 | 21 | 4.8 | 27-30 |
| | 3 | 4 | 0.5 | 26-27 |
| | 4 | 1 | 0.1 | 28 |
| D-70-16 | 23 | 2 | 0.5 | 28-29 |
| D-70-19 | 26 | 1 | 0.1 | 28 |
| | 27 | 1 | 0.2 | 28 |
| | 37 | 1 | 0.2 | 26 |
| D-71-3 | 1 | 1 | 0.2 | 29 |
| | 40 | 4 | 0.9 | 23-29 |
| | 41 | 3 | 0.8 | 27-28 |
| D-71-14 | 4 | 21 | 2.2 | 13-27 |
| | 5 | 15 | 1.7 | 11-28 |
| | 10 | 1 | 0.3 | 31 |
| | 11 | 2 | 0.1 | 16-17 |
| | 12 | 1 | 0.1 | 15 |
| | 14 | 1 | 0.1 | 15 |
| | 20 | 5 | 0.2 | 16-18 |
| | 30 | 1 | 0.1 | 25 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| *Myoxocephalus octodecemspinosus*--Cont. | | | | |
| | 31 | 1 | 0.1 | 15 |
| | 32 | 14 | 2.3 | 13-27 |
| | 33 | 11 | 1.8 | 12-29 |
| Del-71-2 | 8 | 1 | 0.1 | 26 |
| BOTHIDAE | | | | |
| *Ancylopsetta dilecta*, three-eye flounder | | | | |
| D-69-9 | 15 | * | * | * |
| Del-71-3 | 11 | 1 | 0.1 | 17 |
| Del-72-8 | 19 | 9 | 0.6 | 15-21 |
| | 63 | 6 | 0.5 | 18-23 |
| Del-72-15 | 14 | 14 | 0.7 | 17-23 |
| | 22 | 4 | 0.5 | 19-20 |
| | 65 | 2 | 0.1 | 17 |
| *Ancylopsetta quadrocellata*, ocellated flounder | | | | |
| D-68-13 | 2 | 1 | * | 23 |
| | 11 | 7 | 0.9 | * |
| D-69-23 | 2 | 1 | * | * |
| | 3 | 2 | * | 26-35 |
| D-69-29 | 1 | 1 | * | 30 |
| | 7 | 1 | * | 24 |
| | 9 | 1 | * | 20 |
| | 18 | 1 | * | 31 |
| | 20 | 1 | * | 23 |
| D-71-3 | 18 | 1 | 0.2 | 27 |
| | 23 | 1 | 0.3 | 29 |
| | 25 | 1 | 0.2 | 27 |
| | 27 | 1 | + | 8 |
| | 31 | 1 | + | 11 |
| *Ancylopsetta quadrocellata*--Cont. | | | | |
| D-71-11 | 17 | 1 | + | 15 |
| | 18 | 2 | 0.1 | 14-15 |
| | 19 | 3 | 0.1 | 15 |
| | 23 | 1 | 0.5 | 31 |
| | 25 | 1 | 0.2 | 20 |
| | 28 | 2 | 0.2 | 17-20 |
| | 29 | 2 | 0.1 | 13-16 |
| | 30 | 2 | 0.1 | 16-17 |
| | 31 | 8 | 0.7 | 14-22 |
| | 32 | 3 | 0.8 | 17-26 |
| | 34 | 3 | 0.2 | 14-20 |
| | 35 | 2 | 0.2 | 20-26 |
| | 36 | 1 | 0.1 | 16 |
| | 40 | 1 | 0.1 | 14 |
| Del-71-3 | 20 | 1 | 0.2 | 31 |
| | 21 | 2 | 0.2 | 19-21 |
| | 23 | 1 | 0.1 | 16 |
| | 24 | 1 | 0.1 | 21 |
| | 26 | 2 | 0.2 | 18-20 |
| | 27 | 3 | 0.3 | 19-21 |
| | 28 | 2 | 0.6 | 29 |
| | 29 | 2 | 1.4 | 25-32 |
| | 43 | 2 | 0.1 | 19 |
| | 44 | 1 | 0.1 | 21 |
| | 47 | 1 | 0.1 | 22 |
| | 51 | 1 | 0.1 | 21 |
| | 52 | 1 | 0.1 | 24 |
| | 53 | 1 | 0.2 | 24 |
| Del-72-8 | 7 | 2 | + | 11 |
| | 15 | 1 | 0.1 | 22 |
| | 16 | 1 | 0.1 | 25 |
| | 25 | 1 | 0.5 | 33 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Ancylopsetta quadrocellata*--Cont. | | | |
| | 30 | 2 | 0.5 | 25-32 |
| | 37 | 1 | 0.2 | 24 |
| | 38 | 4 | 0.9 | 22-27 |
| | 41 | 1 | 0.2 | 28 |
| | 43 | 1 | 0.2 | 26 |
| | 45 | 2 | 0.9 | 27-29 |
| | 46 | 1 | 0.2 | 26 |
| | 51 | 1 | 0.6 | 36 |
| | 53 | 5 | 0.8 | 20-27 |
| | 54 | 2 | 0.1 | 18-20 |
| | 68 | 2 | 0.4 | 23-28 |
| Del-72-15 | 9 | 1 | 0.3 | 28 |
| | 11 | 2 | 0.2 | 22 |
| | 15 | 1 | 0.2 | 24 |
| | 21 | 1 | 0.5 | 28 |
| | 24 | 1 | 0.1 | 24 |
| | 27 | 2 | 0.6 | 25-29 |
| | 33 | 1 | 0.3 | 30 |
| | 37 | 1 | + | 13 |
| | 41 | 2 | 0.5 | 21-28 |
| | 42 | 1 | 0.1 | 20 |
| | 47 | 1 | 0.7 | 33 |
| | 52 | 1 | 0.1 | 23 |
| | 55 | 1 | 0.2 | 22 |
| | 57 | 1 | 0.1 | 14 |
| | 59 | 1 | + | 10 |
| | 60 | 6 | 0.8 | 12-29 |
| | 61 | 6 | 0.9 | 20-26 |
| | 62 | 1 | 0.3 | 31 |
| | 67 | 1 | 0.3 | 30 |
| | 68 | 2 | 0.6 | 31-38 |
| | *Bothus ocellatus*, eyed flounder | | | |
| Del-71-3 | 20 | 1 | 0.1 | 14 |
| | 26 | 1 | + | 14 |
| | 29 | 3 | 0.1 | 15-16 |
| | 37 | 3 | 0.1 | 14 |
| | 43 | 2 | 0.1 | 16-19 |
| | 47 | 1 | + | 10 |
| | 52 | 1 | + | 15 |
| Del-72-8 | 18 | 7 | 0.2 | 10-15 |
| | 26 | 2 | 0.1 | 13-16 |
| | 29 | 2 | 0.1 | 14-15 |
| | 38 | 11 | 0.5 | 12-16 |
| | 46 | 23 | 1.1 | 14-17 |
| | 54 | 1 | + | 10 |
| Del-72-15 | 23 | 1 | 0.1 | 13 |
| | 31 | 24 | 1.6 | 13-18 |
| | 32 | 2 | 0.1 | 15-17 |
| | 40 | 6 | 0.2 | 14-16 |
| | 49 | 20 | 1.0 | 14-16 |
| | 64 | 4 | 0.1 | 10-13 |
| | *Bothus robinsi* (see: Jutare, 1962) | | | |
| Del-71-3 | 53 | 2 | 0.1 | 13 |
| Del-72-8 | 7 | 1 | + | 14 |
| | 17 | 1 | 0.1 | 16 |
| | 25 | 2 | + | 10-17 |
| | 26 | 5 | 0.5 | 17-19 |
| | 38 | 4 | 0.1 | 14-17 |
| | 43 | 1 | + | 12 |
| | 44 | 1 | + | 11 |
| | 45 | 5 | 0.2 | 11-17 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | Bothus robinsi--Cont. | | |
| | 46 | 5 | 0.5 | 16-18 |
| | 54 | 1 | + | 17 |
| Del-72-15 | 31 | 1 | + | 19 |
| | 32 | 7 | 0.5 | 11-18 |
| | 40 | 8 | 0.5 | 15-16 |
| | 47 | 1 | + | 16 |
| | 52 | 1 | 0.1 | 19 |
| | 53 | 1 | + | 15 |
| | 63 | 2 | + | 15-17 |
| | 64 | 1 | + | 13 |
| | | Citharichthys arctifrons, Gulf Stream flounder | | |
| D-69-15 | 11 | 3 | * | 14-16 |
| | 18 | 2 | * | 13-14 |
| | 20 | 1 | * | * |
| | 22 | 2 | * | 14 |
| | 24 | 1 | * | 9 |
| | 39 | 1 | * | 15 |
| | 41 | 40 | * | 9-12 |
| | 58 | 1 | * | 15 |
| D-69-21 | 1 | 1 | * | 14 |
| D-70-16 | 5 | 1 | + | 10 |
| | 6 | 2 | + | 10-11 |
| | 10 | 9 | 0.1 | 9-12 |
| | 11 | 8 | 0.1 | 8-11 |
| | 12 | 1 | 0.1 | 19 |
| | 21 | 1 | + | 11 |
| | 22 | 2 | + | 10 |
| | 24 | 2 | + | 10-12 |
| | 25 | 1 | + | 9 |
| | 36 | 1 | + | 12 |
| | 39 | 1 | + | 11 |
| D-70-19 | 6 | 1 | + | 12 |
| | 9 | 2 | 0.1 | 11 |
| | 10 | 4 | 0.1 | 8-11 |
| | 12 | 12 | 0.1 | 7-11 |
| | 13 | 1 | + | 12 |
| | 17 | 1 | + | 10 |
| | 23 | 2 | 0.1 | 10-15 |
| | 24 | 5 | 0.1 | 10-14 |
| | 26 | 1 | + | 10 |
| | 29 | 2 | + | 10 |
| D-71-3 | 30 | 21 | 0.1 | 5-13 |
| D-71-11 | 6 | 1 | 0.2 | 14 |
| | 7 | 1 | + | 12 |
| | 11 | 2 | 0.1 | 9-14 |
| | 45 | 1 | + | 13 |
| | 48 | 13 | 0.5 | 10-15 |
| D-71-14 | 11 | 1 | + | 11 |
| | 13 | 1 | + | 13 |
| | 14 | 1 | + | 9 |
| | 23 | 1 | + | 13 |
| | 27 | 1 | + | 12 |
| | 31 | 1 | + | 12 |
| | 33 | 1 | + | 16 |
| Del-72-8 | 2 | 1 | + | 13 |
| | 63 | 1 | + | 9 |
| Del-72-15 | 5 | 1 | + | 7 |
| | 65 | 1 | + | 10 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| *Citharichthys macrops*, spotted whiff | | | | |
| D-69-9 | 19 | 1 | * | * |
| D-69-29 | 10 | 6 | * | 7-20 |
| | 11 | 9 | * | 7-13 |
| | 12 | 2 | * | 5-9 |
| | 13 | 2 | * | 11-12 |
| | 16 | 2 | * | 9-13 |
| | 17 | 2 | * | 9-12 |
| | 18 | 1 | * | 11 |
| | 19 | 2 | * | 10-12 |
| D-71-3 | 18 | 1 | 0.1 | 14 |
| | 29 | 1 | + | 11 |
| D-71-11 | 19 | 1 | + | 15 |
| | 25 | 1 | + | 15 |
| | 28 | 4 | 0.2 | 15-16 |
| | 30 | 1 | + | 14 |
| Del-71-3 | 26 | 2 | 0.1 | 14-18 |
| | 33 | 1 | + | 13 |
| | 43 | 1 | + | 18 |
| Del-72-8 | 25 | 1 | 0.1 | 19 |
| | 26 | 1 | 0.1 | 16 |
| | 37 | 1 | + | 16 |
| | 38 | 1 | + | 16 |
| | 51 | 1 | + | 14 |
| | 62 | 1 | 0.1 | 21 |
| Del-72-15 | 27 | 1 | + | 15 |
| | 41 | 2 | 0.1 | 16 |
| | 42 | 3 | 0.1 | 11-15 |
| | 48 | 1 | 0.1 | 20 |
| | 63 | 1 | + | 19 |
| *Cyclopsetta fimbriata*, spotfin flounder | | | | |
| D-69-29 | 1 | 1 | * | 10 |
| Del-71-3 | 18 | 3 | 0.3 | 20-27 |
| | 27 | 3 | 1.2 | 28-40 |
| | 28 | 1 | 0.1 | 25 |
| | 44 | 2 | 0.9 | 29-30 |
| | 50 | 7 | 1.4 | 21-29 |
| | 51 | 2 | 0.3 | 17-24 |
| | 52 | 1 | 0.1 | 22 |
| | 55 | 2 | 0.5 | 25-30 |
| | 56 | 2 | 0.5 | 19-28 |
| Del-72-8 | 17 | 1 | 0.2 | 35 |
| | 18 | 2 | 0.2 | 21 |
| | 26 | 2 | 0.6 | 28-34 |
| | 27 | 1 | 0.1 | 22 |
| | 46 | 2 | 0.2 | 22-26 |
| | 53 | 2 | 0.6 | 26-32 |
| Del-72-15 | 15 | 1 | 0.2 | 26 |
| | 31 | 4 | 0.8 | 24-27 |
| | 33 | 1 | 0.2 | 28 |
| | 52 | 2 | 0.2 | 25-26 |
| | 62 | 2 | 0.5 | 28-29 |
| | 63 | 6 | 1.1 | 24-32 |
| | 64 | 1 | 0.6 | 37 |
| | 70 | 1 | 0.4 | 32 |
| *Etropus* sp. | | | | |
| D-68-13 | 2 | 1 | * | 8 |
| D-69-9 | 5 | 1 | * | 7 |
| D-69-23 | 1 | 1 | * | * |
| | 11 | 9 | * | 9-12 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | | *Etropus* sp.--Cont. | | |
| | 16 | 5 | * | 8-12 |
| | 22 | 1 | * | 10 |
| | 24 | 3 | * | * |
| | 25 | 1 | * | 11 |
| | 28 | 2 | * | 11 |
| | 32 | 1 | * | 11 |
| D-69-29 | 6 | 3 | * | 6-9 |
| | 7 | 1 | * | 8 |
| | 8 | 7 | * | 8-10 |
| | 9 | 7 | * | 8-10 |
| | 10 | 7 | * | 6-14 |
| | 11 | 4 | * | 9-11 |
| | 12 | 3 | * | 8-10 |
| | 13 | 4 | * | 8-11 |
| | 14 | 1 | * | 10 |
| | 15 | 1 | * | 10 |
| | 16 | 1 | * | 9 |
| | 17 | 1 | * | 7 |
| | 18 | 2 | * | 7 |
| | 19 | 3 | * | 6-8 |
| | 24 | 1 | * | 7 |
| | 27 | 2 | * | 7-9 |
| D-71-3 | 1 | 6 | + | 2-8 |
| | 4 | 1 | + | 17 |
| | 25 | 7 | + | 4-5 |
| | 27 | 3 | + | 4 |
| | 32 | 5 | + | 5-6 |
| | 33 | 1 | + | 12 |
| | 36 | 7 | + | 4-5 |
| | 39 | 15 | 0.1 | 4-8 |
| | 40 | 3 | + | 5-8 |
| | 41 | 1 | + | 5 |
| D-71-11 | 18 | 1 | + | 9 |
| | 25 | 6 | 0.2 | 13-16 |
| | 28 | 1 | + | 13 |
| | 29 | 2 | 0.1 | 13-15 |
| | 34 | 2 | 0.1 | 12-13 |
| | 49 | 1 | + | 9 |
| Del-71-3 | 7 | 1 | 0.1 | 15 |
| | 22 | 1 | + | 8 |
| | 36 | 6 | 0.1 | 5-11 |
| | 55 | 1 | + | 8 |
| Del-72-8 | 16 | 1 | + | 13 |
| | 39 | 6 | 0.1 | 10-11 |
| | 47 | 1 | + | 11 |
| Del-72-15 | 29 | 1 | + | 5 |
| | 30 | 2 | + | 8 |
| | 41 | 2 | + | 13 |
| | 42 | 2 | 0.1 | 14-15 |
| | | *Gastropsetta frontalis*, shrimp flounder | | |
| Del-71-3 | 18 | 1 | 0.1 | 17 |
| Del-72-8 | 18 | 1 | 0.2 | 22 |
| | 26 | 4 | 0.5 | 19-23 |
| | 46 | 4 | 0.6 | 22-23 |
| | | *Paralichthys albigutta*, gulf flounder | | |
| D-69-15 | 57 | 2 | * | 11-14 |
| | 59 | 1 | * | 11 |
| D-69-23 | 9 | 1 | * | 12 |
| D-71-3 | 14 | 1 | 0.3 | 36 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Paralichthys albigutta--Cont. | | | |
| D-71-11 | 17 | 2 | 0.2 | 12-26 |
| | 28 | 1 | 0.1 | 18 |
| Del-71-3 | 7 | 1 | 0.1 | 18 |
| | 56 | 3 | 1.6 | 32-36 |
| | 57 | 1 | 0.5 | 32 |
| | 58 | 1 | 0.9 | 40 |
| | 59 | 1 | 1.0 | 43 |
| Del-72-8 | 11 | 1 | 0.5 | 33 |
| | 16 | 3 | * | 25-33 |
| | 42 | 1 | 0.6 | 37 |
| | 55 | 4 | 3.3 | 35-41 |
| | 64 | 5 | 0.9 | 18-36 |
| | 65 | 1 | 0.3 | 33 |
| | 66 | 2 | 0.7 | 29-33 |
| Del-72-15 | 30 | 1 | 0.3 | 29 |
| | 67 | 1 | 0.2 | 30 |
| | 68 | 3 | 1.2 | 30-35 |
| | 69 | 4 | 1.2 | 28-33 |
| | 70 | 1 | 0.3 | 28 |
| | 73 | 1 | 0.2 | 28 |
| | Paralichthys dentatus, summer flounder | | | |
| D-68-7 | 1 | 1 | * | 47 |
| | 14 | 1 | * | 53 |
| | 18 | 1 | * | 63 |
| D-68-13 | 1 | 3 | * | 29-42 |
| | 3 | 1 | 0.5 | * |
| | 4 | 18 | 8.2 | 27-33 |
| | 6 | 17 | * | * |
| | 7 | 4 | * | * |
| | 8 | 3 | * | * |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Paralichthys dentatus--Cont. | | | |
| | 23 | 2 | 1.8 | * |
| | 24 | 3 | 1.4 | * |
| | 26 | 5 | * | * |
| | 29 | 4 | 1.8 | * |
| | 30 | 4 | 2.3 | * |
| | 31 | 8 | 4.5 | * |
| | 32 | 10 | 7.3 | * |
| | 33 | 4 | 2.7 | * |
| | 40 | 1 | 0.9 | * |
| | 46 | 1 | 0.2 | * |
| | 51 | 2 | 1.4 | * |
| | 53 | 3 | * | * |
| | 54 | 6 | * | * |
| | 55 | 24 | * | * |
| D-69-9 | 1 | 2 | * | 30-38 |
| | 3 | 3 | * | * |
| | 5 | 1 | * | * |
| | 6 | 1 | * | * |
| | 7 | 10 | * | * |
| | 8 | 5 | * | 18-42 |
| | 9 | 1 | * | 45 |
| | 11 | 2 | * | 18-33 |
| | 15 | 1 | * | * |
| | 16 | 3 | * | * |
| | 17 | 14 | * | * |
| | 18 | 12 | * | 17-20 |
| | 19 | 12 | * | * |
| | 20 | 1 | * | * |
| | 21 | 6 | * | * |
| | 22 | 9 | * | * |
| | 24 | 1 | * | * |
| | 25 | 1 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Paralichthys dentatus*--Cont. | | | |
| | 26 | 1 | * | 18 |
| | 30 | 2 | * | * |
| | 32 | 5 | * | * |
| | 35 | 1 | * | * |
| | 36 | 24 | * | * |
| | 38 | 5 | * | * |
| | 39 | 1 | * | * |
| | 41 | * | * | * |
| | 42 | 4 | * | * |
| | 43 | 7 | * | * |
| | 44 | 7 | * | * |
| | 45 | 5 | * | 17 |
| | 46 | 8 | * | 19 |
| | 47 | 6 | * | * |
| | 50 | 5 | * | * |
| | 51 | 7 | * | * |
| | 52 | 1 | * | * |
| | 53 | 2 | * | * |
| | 54 | 3 | * | 18-19 |
| | 57 | 3 | * | 20 |
| | 58 | 1 | * | * |
| | 62 | 6 | * | * |
| | 63 | 10 | * | * |
| | 64 | 1 | * | 15 |
| | 66 | 1 | * | 38 |
| | 67 | 1 | * | * |
| | 68 | 2 | * | 41-63 |
| D-69-15 | 10 | 4 | * | * |
| | 13 | 3 | * | * |
| | 14 | 2 | 2.3 | * |
| | 22 | 2 | * | 44 |
| | 23 | 2 | * | 40 |
| | 25 | 8 | * | * |
| | 26 | 1 | * | 60 |
| | 27 | 1 | * | 35 |
| | 30 | 1 | * | 35 |
| | 38 | 2 | * | * |
| | 40 | 1 | * | 38 |
| | 41 | 2 | * | 40-42 |
| | 44 | 2 | * | * |
| | 45 | 1 | * | 37 |
| | 47 | 4 | * | * |
| | 48 | 3 | * | 32-42 |
| | 56 | 1 | * | 54 |
| | 57 | 3 | * | 34-47 |
| | 58 | 2 | * | 34-41 |
| | 59 | 7 | * | 30-47 |
| | 60 | 3 | * | 41-59 |
| | 61 | 5 | * | * |
| | 62 | 1 | * | * |
| | 68 | 3 | * | * |
| | 70 | 11 | * | 34-56 |
| D-69-21 | 1 | 1 | * | 47 |
| | 2 | 10 | * | 35-56 |
| | 3 | 2 | * | 30-37 |
| D-69-23 | 1 | 2 | * | * |
| | 3 | 5 | * | 33 |
| | 4 | 3 | * | * |
| | 5 | 6 | * | * |
| | 7 | 1 | * | 29 |
| | 9 | 3 | * | 16-19 |
| | 10 | 5 | * | * |
| | 11 | 13 | * | 15-29 |
| | 12 | 7 | * | 24-30 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) | Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|---|---|---|---|---|
| | Paralichthys dentatus--Cont. | | | | | Paralichthys dentatus--Cont. | | | |
| | 14 | 2 | * | 22-23 | | 18 | 3 | * | * |
| | 15 | 2 | * | 21-22 | | 19 | 1 | * | * |
| | 16 | 17 | * | 16-21 | | 20 | 1 | * | 19 |
| | 17 | 1 | * | * | | 21 | 3 | * | 23-45 |
| | 18 | 5 | * | * | | 22 | 1 | * | 24 |
| | 19 | 3 | * | 31 | | 24 | 2 | * | 15-19 |
| | 21 | * | * | * | | 25 | 4 | * | 15-43 |
| | 22 | * | * | * | | 26 | 1 | * | 32 |
| | 23 | 5 | * | 25-34 | | 27 | 4 | * | 22-52 |
| | 24 | 7 | * | 21-46 | D-70-16 | 1 | 1 | 0.9 | 46 |
| | 25 | 1 | * | 38 | | 2 | 1 | 0.9 | 45 |
| | 26 | 1 | * | 33 | | 5 | 3 | 1.8 | 29-60 |
| | 27 | 12 | * | * | | 6 | 9 | 6.8 | 30-43 |
| | 29 | * | * | * | | 7 | 2 | 0.5 | 30-34 |
| | 31 | 1 | * | 45 | | 9 | 11 | 5.4 | 27-49 |
| | 32 | 4 | * | 33-35 | | 10 | 6 | 3.6 | 29-42 |
| | 35 | 1 | * | * | | 11 | 2 | 1.1 | 30-39 |
| | 39 | 1 | * | * | | 13 | 2 | 1.6 | 34-36 |
| | 45 | 4 | * | 52 | | 14 | 2 | 1.6 | 41 |
| D-69-25 | 2 | 4 | * | * | | 15 | 4 | 2.7 | 31-37 |
| | 5 | 4 | * | 54-68 | | 16 | 2 | 1.8 | 34-41 |
| | 6 | 1 | * | 72 | | 17 | 3 | 2.3 | 39-47 |
| | 9 | 2 | * | * | | 18 | 3 | 2.7 | 34-40 |
| | 10 | 1 | * | * | | 21 | 3 | 2.3 | 38-42 |
| | 11 | 1 | * | 58 | | 34 | 5 | 10.2 | 46-62 |
| D-69-29 | 7 | 3 | * | 22-33 | | 36 | 1 | 0.9 | 36 |
| | 8 | 1 | * | 33 | | 39 | 1 | 0.9 | 42 |
| | 9 | 2 | * | 36-37 | D-70-19 | 2 | 4 | 9.5 | 49-64 |
| | 10 | 1 | * | 38 | | 5 | 6 | 5.4 | 34-58 |
| | 11 | 1 | * | 36 | | 6 | 19 | 6.4 | 29-53 |
| | 16 | * | * | * | | 8 | 1 | 1.1 | 47 |
| | 17 | 4 | * | 23 | | 9 | 5 | 0.9 | 29-40 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Paralichthys dentatus*--Cont. | | | |
| | 10 | 3 | 3.4 | 38-61 |
| | 13 | 1 | 2.3 | 58 |
| | 16 | 4 | 2.0 | 34-37 |
| | 17 | 1 | 0.7 | 37 |
| | 18 | 3 | 2.3 | 34-47 |
| | 19 | 11 | 8.6 | 35-46 |
| | 23 | 3 | 3.4 | 39-42 |
| | 29 | 1 | 3.3 | 65 |
| | 39 | 3 | 6.8 | 56-60 |
| | 40 | 4 | 5.0 | 44-54 |
| D-71-3 | 3 | 1 | 0.5 | 38 |
| | 4 | 1 | 0.1 | 28 |
| | 7 | 4 | 2.4 | 28-45 |
| | 8 | 3 | 1.6 | 29-44 |
| | 10 | 1 | 1.0 | 46 |
| | 15 | 2 | + | 17-20 |
| | 16 | 1 | 0.2 | 27 |
| | 18 | 5 | 2.0 | 31-37 |
| | 28 | 1 | 0.3 | 28 |
| | 29 | 1 | 0.2 | 27 |
| | 31 | 1 | 0.5 | 40 |
| | 32 | 1 | 0.1 | 24 |
| | 33 | 1 | 0.1 | 27 |
| | 36 | 1 | 0.1 | 21 |
| | 39 | 2 | 1.6 | 38-45 |
| D-71-11 | 4 | 11 | 14.3 | 39-55 |
| | 5 | 1 | 0.3 | 33 |
| | 6 | 4 | 2.9 | 36-48 |
| | 7 | 5 | 3.2 | 37-46 |
| | 8 | 14 | 8.6 | 33-48 |
| | 10 | 8 | 5.0 | 33-51 |
| | 13 | 1 | 0.1 | 18 |
| | 14 | 1 | 0.7 | 42 |
| | 17 | 8 | 0.7 | 13-29 |
| | 18 | 3 | 0.1 | 14-21 |
| | 19 | 6 | 1.0 | 24-27 |
| | 20 | 1 | 0.5 | 28 |
| | 23 | 2 | 0.1 | 23-38 |
| | 24 | 4 | 1.1 | 24-33 |
| | 31 | 1 | 0.3 | 32 |
| | 34 | 2 | 0.7 | 26-31 |
| | 39 | 1 | 0.2 | 27 |
| | 40 | 1 | 0.2 | 30 |
| | 41 | 1 | 0.3 | 35 |
| | 42 | 1 | 0.1 | 27 |
| | 43 | 16 | 6.6 | 25-45 |
| | 46 | 9 | 6.4 | 31-47 |
| | 47 | 12 | 11.6 | 33-63 |
| | 48 | 1 | 1.8 | 54 |
| D-71-14 | 1 | 2 | 2.4 | 42-44 |
| | 6 | 16 | 10.0 | 34-47 |
| | 8 | 4 | 2.7 | 37-44 |
| | 18 | 14 | 8.2 | 17-61 |
| | 19 | 32 | 28.6 | 20-63 |
| | 26 | 8 | 6.1 | 37-51 |
| Del-71-2 | 5 | 1 | 2.0 | 54 |
| | 6 | 1 | 0.5 | 34 |
| | 7 | 2 | 2.7 | 37-78 |
| | 8 | 1 | 0.7 | 40 |
| Del-71-3 | 1 | 4 | 0.8 | 27-29 |
| | 2 | 4 | 4.2 | 23-51 |
| | 3 | 2 | 0.5 | 25-28 |
| | 4 | 5 | 4.3 | 32-53 |
| | 5 | 4 | 1.8 | 27-43 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Paralichthys dentatus*--Cont. | | | |
| | 6 | 7 | 5.0 | 34-50 |
| | 7 | 14 | 2.7 | 18-46 |
| | 12 | 2 | 0.7 | 28-33 |
| | 14 | 2 | 0.2 | 27-32 |
| | 15 | 1 | 0.2 | 30 |
| | 22 | 5 | 1.4 | 26-35 |
| | 39 | 1 | 0.3 | 34 |
| | 44 | 1 | 0.4 | 30 |
| | 45 | 1 | 0.4 | 33 |
| | 47 | 1 | 0.1 | 27 |
| | 49 | 2 | 0.6 | 29-31 |
| | 51 | 1 | 0.3 | 31 |
| | 52 | 1 | 0.3 | 33 |
| | 54 | 1 | 0.3 | 29 |
| | 56 | 1 | 0.2 | 25 |
| | 58 | 5 | 2.3 | 16-49 |
| | 59 | 5 | 2.4 | 27-42 |
| | 60 | 3 | 0.7 | 23-34 |
| | 61 | 21 | 5.0 | 25-44 |
| | 62 | 10 | 5.2 | 22-44 |
| | 65 | 1 | 0.3 | 31 |
| | 66 | 2 | 0.8 | 31-34 |
| | 67 | 9 | 3.2 | 28-41 |
| | 68 | 7 | 4.4 | 30-47 |
| Del-72-8 | 1 | 3 | 0.5 | 15-17 |
| | 2 | 4 | 1.1 | 28-30 |
| | 3 | 18 | 5.4 | 24-41 |
| | 4 | 3 | 0.7 | 26-28 |
| | 17 | 2 | 0.6 | 29-31 |
| | 52 | 3 | 0.9 | 29-33 |
| | 58 | 1 | 0.7 | 44 |
| | 62 | 3 | 0.7 | 24-29 |
| | 64 | 3 | 0.2 | 17-19 |
| | 65 | 3 | 0.2 | 17-20 |
| | 68 | 5 | 2.9 | 33-39 |
| | 71 | 4 | 2.7 | 26-47 |
| | 72 | 13 | 3.2 | 21-42 |
| | 73 | 4 | 0.7 | 25-30 |
| Del-72-15 | 1 | 1 | 0.1 | 28 |
| | 8 | 1 | 0.3 | 35 |
| | 9 | 1 | 0.1 | 22 |
| | 17 | 1 | 0.5 | 34 |
| | 18 | 1 | 0.1 | 28 |
| | 21 | 1 | 0.7 | 38 |
| | 25 | 1 | 0.5 | 35 |
| | 45 | 1 | 0.2 | 26 |
| | 53 | 1 | 0.2 | 30 |
| | 59 | 1 | 0.1 | 22 |
| | 61 | 2 | 0.3 | 26-27 |
| | 62 | 4 | 1.1 | 28-31 |
| | 66 | 1 | 0.5 | 35 |
| | 67 | 3 | 1.4 | 31-41 |
| | 68 | 1 | 0.5 | 31 |
| | 69 | 1 | 0.3 | 31 |
| | 70 | 1 | 0.5 | 31 |
| | 77 | 2 | 0.6 | 22-34 |
| | *Paralichthys lethostigma*, southern flounder | | | |
| D-71-3 | 13 | 1 | 4.0 | 69 |
| | 22 | 1 | 0.5 | 31 |
| | 28 | 1 | 0.3 | 27 |
| | 35 | 4 | 2.3 | 28-42 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Paralichthys lethostigma*--Cont. | | | |
| Del-71-3 | 7 | 1 | 0.5 | 37 |
| | 33 | 1 | 1.1 | 44 |
| | 35 | 1 | 0.1 | 28 |
| | 54 | 1 | 0.5 | 36 |
| | 56 | 1 | 0.3 | 32 |
| | 57 | 1 | 0.5 | 34 |
| Del-72-8 | 34 | 1 | 0.7 | 29 |
| | 35 | * | * | * |
| | 64 | 1 | 0.5 | 31 |
| Del-72-15 | 20 | 1 | 0.5 | 34 |
| | 43 | 1 | 0.7 | 42 |
| | 68 | 1 | 0.3 | 33 |
| | *Hippoglossina oblongus*, fourspot flounder (see: Gutherz, 1967) | | | |
| D-68-7 | 21 | 1 | * | 24 |
| | 22 | 3 | * | 30-34 |
| D-69-9 | 60 | 1 | * | 20 |
| D-69-15 | 7 | 29 | * | 18-34 |
| | 8 | 27 | * | 21-35 |
| | 9 | 9 | * | 11-34 |
| | 15 | 2 | * | 23-24 |
| | 16 | 9 | * | 26-34 |
| | 17 | 1 | * | 33 |
| | 18 | 9 | * | 19-24 |
| | 19 | 11 | * | 17-35 |
| | 20 | 28 | * | 16-36 |
| | 21 | 22 | * | 19-33 |
| | 23 | 1 | * | 24 |
| | 29 | 8 | * | 22-30 |
| | 30 | 45 | * | 21-32 |
| | 31 | 10 | * | 17-28 |
| | 32 | 7 | * | 23-29 |
| | 33 | 3 | 0.3 | 24-29 |
| | 34 | 4 | * | 20-26 |
| | 35 | 5 | * | * |
| | 49 | 7 | * | 21-31 |
| | 50 | 5 | * | 24-27 |
| | 51 | 1 | * | 25 |
| | 52 | 2 | * | 21-22 |
| | 53 | 2 | * | 21-26 |
| | 54 | 16 | * | 23-34 |
| | 55 | 16 | * | 20-30 |
| | 56 | 1 | * | 34 |
| | 62 | 4 | * | 25-30 |
| | 65 | 1 | * | 28 |
| | 66 | 1 | * | 22 |
| | 67 | 6 | * | 22-32 |
| D-69-25 | 5 | 18 | * | 15-38 |
| | 6 | 3 | * | 12-15 |
| D-70-16 | 3 | 3 | 0.5 | 24-28 |
| | 4 | 2 | 0.7 | 32-34 |
| | 22 | 1 | 0.1 | 26 |
| | 23 | 1 | 0.2 | 31 |
| | 24 | 11 | 2.0 | 24-33 |
| | 25 | 14 | 2.4 | 19-32 |
| | 26 | 2 | 0.3 | 24-28 |
| | 31 | 2 | 0.3 | 25-26 |
| | 32 | 1 | 0.1 | 25 |
| D-70-19 | 4 | 1 | 0.2 | 33 |
| | 25 | 2 | 0.6 | 28-35 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Hippoglossina oblongus*--Cont. | | | |
| | 26 | 10 | 1.6 | 24-32 |
| | 27 | 16 | 2.5 | 23-34 |
| | 35 | 1 | 0.1 | 23 |
| D-71-11 | 6 | 1 | 0.1 | 33 |
| | 16 | 1 | 0.1 | 17 |
| | 44 | 40 | 6.6 | 18-34 |
| | 49 | 12 | 1.6 | 16-32 |
| D-71-14 | 2 | 2 | 0.1 | 21-23 |
| | 3 | 3 | 0.1 | 19-24 |
| | 4 | 3 | 0.5 | 27-31 |
| | 5 | 4 | 0.6 | 24-34 |
| | 9 | 3 | 0.6 | 21-32 |
| | 10 | 2 | 0.2 | 20-24 |
| | 11 | 7 | 0.8 | 15-32 |
| | 12 | 8 | 0.9 | 21-28 |
| | 13 | 11 | 1.1 | 18-26 |
| | 14 | 20 | 2.0 | 18-36 |
| | 15 | 6 | 0.5 | 16-27 |
| | 20 | 17 | 2.5 | 20-34 |
| | 21 | 4 | 0.3 | 23-31 |
| | 22 | 19 | 2.0 | 15-30 |
| | 30 | 1 | 0.1 | 25 |
| | 32 | 1 | 0.1 | 29 |
| | 33 | 9 | 1.1 | 19-29 |
| Del-71-2 | 7 | 2 | 0.2 | 22-25 |
| | 8 | 9 | 1.0 | 21-28 |
| Del-71-3 | 6 | 4 | 0.1 | 18-20 |
| | 64 | 5 | 0.2 | 16-23 |
| Del-72-8 | 5 | 2 | 0.2 | 19-22 |
| | 6 | 14 | 1.1 | 21-25 |
| | 55 | 2 | 0.2 | 22-25 |
| Del-72-15 | 5 | 4 | 0.2 | 20-23 |
| | *Paralichthys squamilentus*, broad flounder | | | |
| Del-72-15 | 38 | 2 | 0.9 | 29-35 |
| | *Scophthalmus aquosus*, windowpane | | | |
| D-68-7 | 1 | 1 | * | 28 |
| | 3 | 8 | * | 24-34 |
| | 4 | 1 | * | 25 |
| | 8 | 1 | * | * |
| | 9 | 1 | * | * |
| | 10 | 2 | * | * |
| | 12 | 15 | * | * |
| | 13 | 5 | * | 15-31 |
| | 14 | 17 | * | 17-27 |
| | 15 | 2 | * | 23-24 |
| | 19 | 3 | * | 21-25 |
| | 22 | 1 | * | 32 |
| | 23 | 1 | * | 26 |
| D-68-13 | 15 | 1 | * | * |
| | 31 | * | * | * |
| | 55 | * | * | * |
| D-69-9 | 1 | 2 | * | 19-22 |
| | 2 | 1 | * | 28 |
| | 3 | 4 | * | * |
| | 4 | 7 | * | * |
| | 5 | 15 | * | 21-25 |
| | 7 | * | * | * |
| | 8 | 1 | * | * |
| | 18 | 1 | * | * |
| | 27 | 1 | * | * |
| | 46 | 2 | * | * |
| | 47 | 2 | * | * |
| | 48 | 5 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Scophthalmus aquosus--Cont. | | | |
| | 51 | 5 | * | * |
| | 62 | 10 | * | * |
| | 63 | 2 | * | * |
| | 64 | 4 | * | * |
| | 65 | 17 | * | 19-29 |
| | 66 | 15 | * | 21-29 |
| | 68 | 6 | * | 22-26 |
| D-69-15 | 7 | 11 | * | 21-28 |
| | 8 | 52 | * | 19-29 |
| | 9 | 34 | * | 21-27 |
| | 10 | 13 | * | 21-26 |
| | 11 | 3 | * | 22-23 |
| | 12 | 3 | * | 22 |
| | 13 | 12 | * | 14-25 |
| | 14 | 9 | * | 21-25 |
| | 15 | 7 | * | 21-30 |
| | 16 | 13 | * | 22-30 |
| | 17 | 4 | * | 22-23 |
| | 18 | 1 | * | 22 |
| | 19 | 7 | * | 21-25 |
| | 20 | 38 | * | 20-27 |
| | 21 | 59 | * | 23-29 |
| | 22 | 11 | * | 20-25 |
| | 23 | 28 | * | 20-28 |
| | 24 | 44 | * | 16-27 |
| | 25 | 42 | * | 12-26 |
| | 26 | 3 | * | 23-27 |
| | 27 | 2 | * | 22-23 |
| | 28 | 3 | * | 23-26 |
| | 29 | 15 | * | 21-29 |
| | 30 | 25 | * | 22-31 |
| | 31 | 7 | * | 22-27 |
| | 32 | 12 | * | 22-28 |
| | 33 | 22 | * | 23-31 |
| | 34 | 15 | * | 19-28 |
| | 35 | 14 | * | * |
| | 36 | 9 | * | 13-26 |
| | 37 | 25 | * | 14-28 |
| | 38 | 12 | * | 16-27 |
| | 39 | 15 | * | 21-25 |
| | 40 | 18 | * | 17-25 |
| | 41 | 60 | * | 12-30 |
| | 42 | 32 | * | 14-27 |
| | 43 | 9 | * | 13-29 |
| | 44 | 3 | * | 22-25 |
| | 46 | 11 | * | 15-28 |
| | 47 | 8 | * | * |
| | 48 | 18 | * | * |
| | 49 | 23 | * | 16-26 |
| | 50 | 26 | * | 23-29 |
| | 51 | 2 | * | 22-26 |
| | 52 | 7 | * | 22-29 |
| | 53 | 1 | * | 22 |
| | 54 | 10 | * | 23-27 |
| | 55 | 28 | * | 21-31 |
| | 56 | 80 | * | 19-28 |
| | 57 | 14 | * | 18-24 |
| | 58 | 9 | * | 19-27 |
| | 59 | 13 | * | 14-20 |
| | 60 | 38 | * | 21-25 |
| | 61 | 10 | * | 15-27 |
| | 62 | 5 | * | 22-26 |
| | 63 | 11 | * | 19-25 |
| | 64 | 14 | * | 23-28 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Scophthalmus aquosus*--Cont. | | | |
| | 65 | 2 | * | 29-31 |
| | 66 | 2 | * | 23-24 |
| | 67 | 4 | * | 22-29 |
| | 68 | 4 | * | 22-25 |
| | 69 | 9 | * | 23-28 |
| | 70 | * | 38.1 | 18-33 |
| D-69-21 | 1 | 6 | * | 22-26 |
| | 2 | 1 | * | 24 |
| | 3 | 20 | * | 18-29 |
| | 4 | 3 | * | 21-22 |
| D-69-23 | 4 | 1 | * | 19 |
| | 10 | 2 | * | 14 |
| | 11 | 1 | * | 17 |
| | 12 | 6 | * | * |
| | 16 | 6 | * | 16-18 |
| | 17 | 1 | * | 23 |
| | 18 | 2 | * | 18-19 |
| | 20 | 2 | * | 18-19 |
| | 21 | 8 | * | 18-24 |
| | 22 | 9 | * | 19-24 |
| | 23 | 8 | * | 16-24 |
| | 25 | 6 | * | 17-18 |
| | 27 | 20 | * | 15-20 |
| | 29 | 1 | * | 29 |
| | 31 | 24 | * | 18-24 |
| | 32 | 7 | * | 14-25 |
| | 34 | 1 | * | 19 |
| | 35 | 18 | * | 16-21 |
| | 39 | 1 | * | 18 |
| | 40 | 5 | * | 22-26 |
| | 41 | 3 | * | 19-26 |
| | 42 | 22 | * | 10-19 |
| | 43 | 30 | * | 20-26 |
| | 44 | 16 | * | * |
| | 45 | 23 | * | 13-31 |
| D-69-25 | 1 | 12 | * | 17-29 |
| | 2 | 8 | * | 19-30 |
| | 3 | 2 | * | * |
| | 4 | 1 | * | 22 |
| | 5 | 36 | * | 23-34 |
| | 6 | 15 | * | 23-32 |
| | 7 | 28 | * | 11-28 |
| | 8 | 62 | * | 15-25 |
| | 9 | 37 | * | 13-15 |
| | 10 | 6 | * | 12-24 |
| | 11 | 6 | * | 17-23 |
| | 12 | * | * | * |
| | 13 | 42 | * | 14-19 |
| D-69-29 | 6 | 5 | * | 14-16 |
| | 7 | 4 | * | 13-15 |
| | 8 | 2 | * | 15-18 |
| | 9 | 1 | * | 14 |
| | 11 | 1 | * | 11 |
| | 12 | 1 | * | 20 |
| | 13 | 1 | * | 14 |
| | 18 | 5 | * | 16-25 |
| | 23 | 1 | * | 19 |
| | 24 | 1 | * | 21 |
| | 27 | 1 | * | 20 |
| D-70-7 | 1 | 46 | 10.7 | 21-30 |
| | 2 | 25 | 6.4 | 25-30 |
| | 3 | 35 | 9.5 | 21-32 |
| | 4 | 10 | 2.0 | 24-29 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Scophthalmus aquosus--Cont. | | | |
| D-70-16 | 1 | 35 | 10.0 | 18-31 |
| | 2 | 16 | 3.9 | 13-29 |
| | 3 | 11 | 2.9 | 15-30 |
| | 4 | 11 | 2.8 | 24-29 |
| | 5 | 8 | 0.1 | 9-13 |
| | 6 | 13 | 0.9 | 8-29 |
| | 7 | 7 | 1.5 | 18-27 |
| | 8 | 1 | 0.1 | 23 |
| | 9 | 12 | 0.7 | 13-31 |
| | 10 | 11 | 0.8 | 12-26 |
| | 11 | 20 | 2.7 | 14-30 |
| | 12 | 16 | 3.4 | 24-26 |
| | 13 | 37 | 5.7 | 21-27 |
| | 14 | 18 | 3.2 | 13-28 |
| | 15 | 97 | 14.7 | 12-29 |
| | 16 | 75 | 7.7 | 10-27 |
| | 17 | 42 | 8.8 | 10-30 |
| | 18 | 35 | 7.7 | 9-29 |
| | 19 | 22 | 5.4 | 11-31 |
| | 21 | 200 | 15.4 | 9-28 |
| | 22 | 10 | 1.9 | 10-30 |
| | 23 | 41 | 10.0 | 11-30 |
| | 24 | 30 | 6.8 | 15-29 |
| | 25 | 37 | 6.4 | 21-28 |
| | 26 | 48 | 11.6 | 11-22 |
| | 27 | 15 | 2.7 | 23-28 |
| | 28 | 17 | 3.2 | 12-28 |
| | 29 | 19 | 3.6 | 19-31 |
| | 30 | 11 | 2.9 | 24-30 |
| | 31 | 15 | 4.0 | 24-31 |
| | 32 | 5 | 1.5 | 26-29 |
| | 33 | 7 | 1.8 | 23-31 |
| | 34 | 186 | 60.3 | 12-31 |
| | 35 | 27 | 8.6 | 11-36 |
| | 36 | 75 | 13.6 | 12-31 |
| | 37 | 4 | 1.0 | 22-28 |
| | 38 | 3 | 0.8 | 25-27 |
| | 39 | 53 | 9.3 | 11-33 |
| D-70-19 | 1 | 40 | 5.0 | 14-32 |
| | 2 | 3 | 0.3 | 17-26 |
| | 3 | 3 | 0.7 | 12-28 |
| | 4 | 1 | 0.2 | 27 |
| | 5 | 4 | 0.5 | 16-27 |
| | 6 | 18 | 2.4 | 14-29 |
| | 9 | 17 | 1.7 | 14-30 |
| | 10 | 11 | 1.4 | 12-29 |
| | 11 | 5 | 0.2 | 12-16 |
| | 12 | 7 | 0.3 | 14-18 |
| | 13 | 30 | 4.1 | 13-27 |
| | 14 | 83 | 9.3 | 15-28 |
| | 15 | 17 | 1.0 | 13-26 |
| | 16 | 198 | 19.1 | 13-25 |
| | 17 | 60 | 5.7 | 14-19 |
| | 18 | 48 | 3.4 | 13-22 |
| | 19 | 8 | 0.3 | 14-17 |
| | 20 | 9 | 1.4 | 14-27 |
| | 21 | 1 | + | 14 |
| | 22 | 2 | 0.5 | 24-26 |
| | 23 | 99 | 18.6 | 15-32 |
| | 24 | 130 | 29.5 | 13-28 |
| | 25 | 19 | 2.9 | 12-29 |
| | 26 | 33 | 6.4 | 12-29 |
| | 27 | 16 | 3.6 | 12-30 |
| | 28 | 17 | 2.8 | 10-29 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Scophthalmus aquosus*--Cont. | | | |
| | 29 | 45 | 9.2 | 16-30 |
| | 30 | 11 | 1.4 | 15-26 |
| | 31 | 37 | 9.1 | 22-30 |
| | 32 | 169 | 34.5 | 17-28 |
| | 33 | 20 | 5.0 | 17-29 |
| | 34 | 24 | 6.8 | 23-32 |
| | 35 | 6 | 1.2 | 23-26 |
| | 36 | 69 | 17.2 | 23-31 |
| | 37 | 5 | 1.7 | 24-32 |
| | 38 | 5 | 2.4 | 22-27 |
| | 39 | 31 | 7.7 | 17-32 |
| | 40 | 55 | 10.0 | 15-30 |
| D-71-3 | 1 | 62 | 12.2 | 5-30 |
| | 2 | 4 | 0.8 | 23-28 |
| | 3 | 6 | 0.7 | 8-28 |
| | 4 | 4 | + | 6-11 |
| | 13 | 2 | + | 10-18 |
| | 15 | 2 | + | 9-15 |
| | 16 | 2 | 0.1 | 9-16 |
| | 17 | 2 | + | 8-10 |
| | 36 | 4 | 0.1 | 8-17 |
| | 38 | 1 | + | 5 |
| | 40 | 47 | 9.1 | 21-28 |
| | 41 | 20 | 5.4 | 21-40 |
| D-71-11 | 2 | 4 | 0.8 | 23-27 |
| | 3 | 8 | 1.8 | 23-28 |
| | 4 | 27 | 5.7 | 20-30 |
| | 5 | 37 | 5.4 | 14-27 |
| | 6 | 16 | 3.2 | 22-29 |
| | 7 | 19 | 2.3 | 14-25 |
| | 8 | 73 | 9.8 | 13-30 |
| | 9 | 2 | 0.3 | 14-29 |
| | 10 | 9 | 0.7 | 13-28 |
| | 11 | 1 | 0.2 | 25 |
| | 12 | 2 | 0.3 | 22-27 |
| | 13 | 5 | 0.1 | 13-14 |
| | 15 | 1 | 0.1 | 23 |
| | 17 | 4 | 0.1 | 13-15 |
| | 21 | 1 | + | 12 |
| | 31 | 1 | + | 12 |
| | 42 | 4 | 0.2 | 15-17 |
| | 43 | 55 | 3.1 | 12-18 |
| | 44 | 14 | 2.3 | 17-28 |
| | 45 | 1 | + | 16 |
| | 46 | 2 | 0.1 | 14-18 |
| | 47 | 8 | 0.6 | 15-18 |
| | 48 | 18 | 2.7 | 13-28 |
| D-71-14 | 1 | 8 | 1.7 | 10-30 |
| | 2 | 2 | 0.1 | 19-26 |
| | 3 | 5 | 1.4 | 22-30 |
| | 4 | 1 | 0.1 | 24 |
| | 6 | 49 | 5.0 | 14-22 |
| | 7 | 6 | 0.5 | 15-20 |
| | 8 | 3 | 0.1 | 19-23 |
| | 9 | 10 | 2.4 | 22-29 |
| | 10 | 2 | 0.5 | 24-28 |
| | 11 | 2 | 0.3 | 16-17 |
| | 12 | 1 | 0.1 | 25 |
| | 13 | 1 | 0.2 | 26 |
| | 14 | 7 | 1.5 | 22-29 |
| | 16 | 4 | 0.5 | 17-23 |
| | 17 | 17 | 1.9 | 17-28 |
| | 18 | 9 | 0.8 | 16-28 |
| | 19 | 1 | 0.1 | 26 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Scophthalmus aquosus*--Cont. | | | |
| | 21 | 2 | 0.2 | 24-26 |
| | 22 | 3 | 0.5 | 21-25 |
| | 23 | 2 | 0.3 | 25 |
| | 24 | 3 | 0.6 | 19-27 |
| | 25 | 1 | 0.1 | 15 |
| | 26 | 18 | 1.8 | 12-28 |
| | 27 | 46 | 11.8 | 24-30 |
| | 28 | 1 | 0.1 | 23 |
| | 29 | 1 | 0.1 | 22 |
| | 30 | 1 | 0.2 | 26 |
| | 31 | 3 | 0.6 | 22-26 |
| | 34 | 3 | 0.3 | 21-27 |
| Del-71-2 | 1 | 2 | 0.5 | 29 |
| | 2 | 1 | 0.2 | 30 |
| | 3 | 8 | 1.5 | 22-27 |
| | 4 | 36 | 6.1 | 17-30 |
| | 5 | 5 | 1.0 | 22-27 |
| | 6 | 8 | 1.6 | 21-28 |
| | 7 | 1 | 0.2 | 26 |
| Del-71-3 | 1 | 3 | 0.5 | 20-25 |
| | 3 | 3 | 0.2 | 20-24 |
| | 5 | 1 | 0.1 | 27 |
| | 6 | 2 | 0.3 | 23-26 |
| | 13 | 2 | 0.1 | 20-22 |
| | 21 | 4 | 0.2 | 15-18 |
| | 53 | 3 | 0.1 | 14-15 |
| | 58 | 1 | 0.1 | 25 |
| | 59 | 3 | 0.3 | 20-24 |
| | 61 | 11 | 1.4 | 18-25 |
| | 62 | 1 | 0.1 | 20 |
| | 65 | 11 | 2.5 | 23-28 |
| | 66 | 16 | 3.7 | 22-32 |
| | 67 | 20 | 3.7 | 21-26 |
| | 68 | 11 | 1.9 | 21-26 |
| Del-72-8 | 1 | 4 | 0.9 | 23-27 |
| | 2 | 8 | 0.3 | 23-25 |
| | 3 | 1 | 0.1 | 26 |
| | 11 | 2 | 0.2 | 19-22 |
| | 12 | 1 | 0.1 | 21 |
| | 15 | 1 | + | 17 |
| | 64 | 1 | 0.1 | 19 |
| Del-72-15 | 1 | 1 | + | 12 |
| | 36 | 1 | 0.1 | 20 |
| | 59 | 1 | + | 11 |
| | 60 | 6 | 0.3 | 11-19 |
| | 61 | 1 | 0.1 | 18 |
| | 66 | 1 | + | 13 |
| | 68 | 4 | 0.5 | 19-21 |
| | 77 | 1 | + | 14 |
| | *Syacium micrurum*, channel flounder | | | |
| D-71-3 | 34 | 1 | 0.2 | 26 |
| | *Syacium papillosum*, dusky flounder | | | |
| D-69-23 | 14 | 1 | * | * |
| | 16 | 2 | * | 12-13 |
| D-69-29 | 7 | 1 | * | 29 |
| D-71-3 | 31 | 32 | 0.6 | 11-26 |
| | 32 | 1 | 0.1 | 14 |
| | 33 | 9 | 0.8 | 15-27 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Syacium papillosum*--Cont. | | | |
| D-71-11 | 28 | 2 | 0.3 | 22 |
| | 32 | 3 | 0.2 | 16-20 |
| | 35 | 1 | 0.1 | 19 |
| Del-71-3 | 18 | 2 | 0.2 | 23-31 |
| | 27 | 4 | 0.7 | 20-31 |
| | 29 | 4 | 2.2 | 20-29 |
| | 30 | 1 | 0.1 | 25 |
| | 32 | 1 | + | 21 |
| | 36 | 40 | 1.6 | 10-21 |
| | 37 | 27 | 1.9 | 12-25 |
| | 38 | 5 | 0.9 | 21-29 |
| | 39 | 3 | 0.5 | 20-25 |
| | 40 | 1 | 0.1 | 22 |
| | 43 | 9 | 1.6 | 20-29 |
| | 44 | 4 | 0.6 | 18-26 |
| | 45 | 3 | 0.5 | 23-24 |
| | 46 | 2 | 0.2 | 14-27 |
| | 47 | 5 | 0.7 | 19-26 |
| | 49 | 2 | 0.5 | 28 |
| | 50 | 4 | 0.6 | 22-24 |
| | 51 | 2 | 0.2 | 12-13 |
| | 56 | 3 | 0.8 | 30-45 |
| | 57 | 1 | 0.2 | 25 |
| Del-72-8 | 7 | 8 | 1.1 | 21-27 |
| | 17 | 1 | 0.2 | 15 |
| | 18 | 27 | 4.3 | 19-30 |
| | 25 | 3 | 0.3 | 14-28 |
| | 26 | 5 | 0.9 | 20-30 |
| | 27 | 8 | 0.6 | 7-27 |
| | 29 | 2 | 0.2 | 20-31 |
| | 30 | 4 | 0.7 | 21-31 |
| | 31 | 1 | 0.1 | 16 |
| | 32 | 2 | 0.1 | 17-22 |
| | 36 | 1 | + | 15 |
| | 37 | 2 | 0.4 | 14-26 |
| | 38 | 2 | 0.5 | 23-24 |
| | 39 | 15 | 0.5 | 12-23 |
| | 41 | 1 | 0.2 | 28 |
| | 43 | 2 | 0.5 | 28 |
| | 44 | 8 | 1.7 | 12-32 |
| | 45 | 2 | 0.3 | 27-28 |
| | 46 | 8 | 1.1 | 20-26 |
| | 53 | 2 | 0.8 | 26-31 |
| | 54 | 4 | 0.5 | 19-28 |
| | 62 | 1 | 0.3 | 32 |
| | 63 | 1 | 0.2 | 24 |
| | 69 | 3 | 0.5 | 25 |
| | 74 | 3 | 0.5 | 21-30 |
| Del-72-15 | 11 | 10 | 2.0 | 20-31 |
| | 24 | 1 | 0.5 | 34 |
| | 31 | 21 | 4.1 | 23-31 |
| | 33 | 7 | 2.0 | 27-35 |
| | 36 | 2 | 0.1 | 15-21 |
| | 39 | 16 | 0.8 | 11-22 |
| | 40 | 7 | 1.1 | 20-28 |
| | 41 | 11 | 0.9 | 13-22 |
| | 42 | 17 | 1.4 | 17-21 |
| | 45 | 2 | 0.1 | 6-18 |
| | 47 | 3 | 0.5 | 17-28 |
| | 48 | 3 | 0.6 | 24-26 |
| | 49 | 4 | 0.6 | 16-25 |
| | 52 | 5 | 1.0 | 23-31 |
| | 53 | 4 | 1.4 | 28-34 |
| | 55 | 1 | + | 16 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Syacium papillosum*--Cont. | | | |
| | 56 | 1 | 0.1 | 17 |
| | 57 | 1 | 0.1 | 18 |
| | 61 | 2 | 0.1 | 13-14 |
| | 63 | 6 | 1.4 | 16-28 |
| | 64 | 16 | 2.7 | 11-29 |
| | 65 | 1 | 0.2 | 29 |
| | 72 | 1 | + | 8 |
| | 74 | 3 | 0.5 | 22-23 |
| | PLEURONECTIDAE | | | |
| | *Limanda ferruginea*, yellowtail flounder | | | |
| D-69-9 | 68 | 5 | * | 27-46 |
| | 69 | 3 | * | 22-23 |
| D-69-15 | 7 | 28 | * | 10-16 |
| | 18 | 1 | * | 25 |
| | 22 | 1 | * | 12 |
| | 32 | 1 | * | 23 |
| | 54 | 1 | * | 15 |
| | 55 | 3 | * | 11 |
| | 66 | 2 | * | 12-14 |
| | 67 | 2 | * | 11-14 |
| D-69-25 | 5 | 59 | * | 24-33 |
| | 6 | 1 | * | 23 |
| D-70-7 | 1 | 15 | 6.1 | 28-37 |
| | 2 | 8 | 2.9 | 25-39 |
| | 3 | 17 | 6.8 | 30-46 |
| D-70-16 | 2 | 1 | 0.1 | 15 |
| | 4 | 2 | 0.6 | 29-35 |
| | 20 | 1 | + | 12 |
| | 24 | 10 | 0.2 | 9-13 |
| | 25 | 15 | 0.3 | 11-15 |
| | *Limanda ferruginea*--Cont. | | | |
| | 37 | 1 | + | 14 |
| | 38 | 3 | 0.5 | 15-26 |
| D-70-19 | 27 | 3 | 0.2 | 13-14 |
| | 37 | 6 | 0.1 | 12-14 |
| | 38 | 1 | + | 15 |
| D-71-14 | 4 | 72 | 12.5 | 14-35 |
| | 5 | 29 | 2.7 | 14-35 |
| | 11 | 12 | 0.7 | 16-19 |
| | 12 | 8 | 0.5 | 14-20 |
| | 13 | 3 | 0.1 | 17-19 |
| | 14 | 1 | + | 16 |
| | 20 | 35 | 1.8 | 12-24 |
| | 21 | 41 | 1.8 | 14-20 |
| | 22 | 2 | 0.1 | 15-18 |
| | 30 | 2 | 0.1 | 16-25 |
| | 31 | 17 | 1.4 | 13-36 |
| | 32 | 9 | 0.8 | 15-27 |
| | 33 | 58 | 7.5 | 13-33 |
| Del-71-2 | 8 | 11 | 0.9 | 16-27 |
| | *Pseudopleuronectes americanus*, winter flounder | | | |
| D-68-7 | 1 | 1 | * | * |
| | 4 | 35 | * | 11-39 |
| | 5 | 1 | * | * |
| | 9 | 3 | * | 21-34 |
| | 10 | 1 | * | * |
| | 12 | 2 | * | * |
| | 13 | 2 | * | 19-23 |
| | 14 | 15 | * | 17-29 |
| | 15 | 12 | * | 21-30 |
| | 17 | 1 | * | 28 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Pseudopleuronectes americanus*--Cont. | | | |
| | 19 | 2 | * | 26-32 |
| | 20 | 1 | * | 25 |
| | 21 | 1 | * | 20 |
| | 22 | 4 | * | 25-28 |
| | 23 | 3 | * | 28-32 |
| D-69-9 | 64 | 1 | * | * |
| | 65 | 32 | * | 21-36 |
| | 66 | 117 | 49.9 | 16-40 |
| | 68 | 12 | * | * |
| | 69 | 12 | * | 15-35 |
| D-69-15 | 7 | 2 | * | 17-28 |
| | 8 | 2 | * | 21-31 |
| | 9 | 2 | * | 19-20 |
| | 15 | 10 | * | 16-26 |
| | 16 | 18 | * | 17-28 |
| | 17 | 3 | * | 17-25 |
| | 18 | 23 | * | 18-30 |
| | 19 | 12 | * | 15-28 |
| | 20 | 6 | * | 21-29 |
| | 21 | 3 | * | 18-24 |
| | 22 | 2 | * | 22-29 |
| | 23 | 1 | * | 17 |
| | 30 | 69 | * | 16-29 |
| | 31 | 10 | * | 17-25 |
| | 32 | 15 | * | 17-28 |
| | 33 | 13 | * | 16-28 |
| | 34 | 5 | * | 18-22 |
| | 35 | 1 | * | * |
| | 36 | 1 | * | 27 |
| | 42 | 1 | * | 18 |
| | 43 | 1 | * | 25 |
| | 44 | 2 | * | 17-19 |
| | 46 | 1 | * | 17 |
| | 48 | 2 | * | 15-18 |
| | 49 | 1 | * | 18 |
| | 50 | 2 | * | 21-22 |
| | 51 | 8 | * | 17-28 |
| | 52 | 2 | * | 22-23 |
| | 54 | 9 | * | 19-29 |
| | 55 | 10 | * | 19-30 |
| | 56 | 3 | * | 16-22 |
| | 57 | 1 | * | 32 |
| | 58 | 1 | * | 31 |
| | 59 | 1 | * | 16 |
| | 60 | 2 | * | 12-20 |
| | 61 | 5 | * | 15-25 |
| | 62 | 3 | * | 18-33 |
| | 63 | 2 | * | 17-31 |
| | 64 | 17 | * | 17-31 |
| | 65 | 4 | * | 24-27 |
| | 66 | 6 | * | 16-32 |
| | 67 | 16 | * | 18-28 |
| | 68 | 2 | * | 20 |
| | 69 | 4 | * | 20-29 |
| | 70 | 9 | * | 11-26 |
| D-69-23 | 43 | 1 | * | 17 |
| | 44 | 1 | * | 22 |
| D-69-25 | 1 | 3 | * | 16-20 |
| | 4 | 5 | * | 25-29 |
| | 5 | 7 | * | 24-29 |
| | 7 | 25 | * | 20-30 |
| | 8 | 1 | * | 28 |
| | 12 | 1 | * | * |
| D-69-29 | 4 | 4 | * | 6-7 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| *Pseudopleuronectes americanus*--Cont. | | | | |
| D-70-7 | 1 | 38 | 10.9 | 17-34 |
| | 2 | 125 | 31.8 | 12-36 |
| | 3 | 9 | 2.9 | 13-31 |
| | 4 | 4 | 1.4 | 26-37 |
| D-70-16 | 2 | 8 | 2.0 | 24-32 |
| | 3 | 34 | 8.2 | 15-35 |
| | 4 | 49 | 6.8 | 15-33 |
| | 12 | 2 | 0.2 | 19-21 |
| | 16 | 1 | 0.1 | 18 |
| | 17 | 1 | 0.1 | 17 |
| | 19 | 18 | 2.3 | 16-26 |
| | 22 | 7 | 1.2 | 16-28 |
| | 23 | 17 | 2.3 | 15-29 |
| | 24 | 9 | 1.5 | 15-25 |
| | 25 | 1 | 0.2 | 26 |
| | 26 | 14 | 2.0 | 16-25 |
| | 27 | 25 | 1.4 | 14-25 |
| | 28 | 4 | 0.6 | 17-25 |
| | 29 | 8 | 1.1 | 14-27 |
| | 30 | 9 | 2.2 | 19-36 |
| | 31 | 12 | 2.6 | 16-36 |
| | 32 | 4 | 0.8 | 22-26 |
| | 33 | 1 | 0.3 | 27 |
| | 34 | 6 | 1.1 | 15-28 |
| | 35 | 92 | 22.7 | 14-31 |
| | 36 | 2 | 0.2 | 18-21 |
| | 37 | 21 | 3.9 | 12-36 |
| | 38 | 3 | 0.7 | 15-26 |
| | 39 | 2 | 0.3 | 19-22 |
| D-70-19 | 2 | 6 | 0.7 | 18-22 |
| | 3 | 1 | 0.2 | 27 |
| | 4 | 3 | 0.6 | 21-27 |
| | 13 | 1 | 0.1 | 21 |
| | 16 | 1 | 0.1 | 21 |
| | 20 | 4 | 0.6 | 21-25 |
| | 21 | 1 | 0.1 | 19 |
| | 22 | 2 | 0.3 | 20-22 |
| | 23 | 5 | 0.9 | 19-27 |
| | 24 | 143 | 19.5 | 15-28 |
| | 25 | 8 | 1.1 | 12-26 |
| | 26 | 4 | 0.7 | 19-28 |
| | 27 | 5 | 1.0 | 17-30 |
| | 28 | 10 | 1.4 | 17-28 |
| | 29 | 9 | 1.5 | 18-29 |
| | 30 | 5 | 1.5 | 18-32 |
| | 31 | 18 | 3.2 | 15-32 |
| | 32 | 18 | 3.6 | 17-35 |
| | 33 | 15 | 2.3 | 19-30 |
| | 34 | 3 | 0.5 | 21-23 |
| | 35 | 5 | 0.9 | 16-29 |
| | 36 | 7 | 0.9 | 13-26 |
| | 37 | 3 | 0.9 | 16-31 |
| | 39 | 4 | 0.5 | 18-22 |
| | 40 | 4 | 0.5 | 19-24 |
| D-71-3 | 1 | 1 | 0.1 | 26 |
| | 2 | 1 | 0.5 | 34 |
| | 40 | 7 | 1.0 | 21-27 |
| | 41 | 5 | 1.1 | 14-35 |
| D-71-11 | 1 | 2 | 0.1 | 14-21 |
| | 2 | 3 | 0.5 | 20-22 |
| | 3 | 5 | 0.5 | 17-24 |
| | 4 | 6 | 1.0 | 19-27 |
| | 49 | 2 | 0.2 | 22-24 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Pseudopleuronectes americanus*--Cont. | | | |
| D-71-14 | 3 | 6 | 1.6 | 24-31 |
| | 4 | 43 | 7.6 | 17-31 |
| | 5 | 6 | 1.7 | 19-34 |
| | 10 | 1 | 0.1 | 23 |
| | 11 | 6 | 0.9 | 17-25 |
| | 13 | 1 | 0.2 | 26 |
| | 15 | 2 | 0.5 | 24-27 |
| | 19 | 1 | 0.1 | 28 |
| | 20 | 2 | 0.7 | 30-33 |
| | 21 | 1 | 0.2 | 29 |
| | 22 | 2 | 0.3 | 26 |
| | 23 | 2 | 0.9 | 30 |
| | 24 | 2 | 0.5 | 19-30 |
| | 28 | 4 | 0.6 | 17-25 |
| | 29 | 4 | 0.9 | 19-30 |
| | 30 | 1 | 0.1 | 30 |
| | 31 | 3 | 0.5 | 16-27 |
| | 32 | 7 | 1.4 | 19-28 |
| | 33 | 5 | 1.1 | 21-30 |
| | 34 | 3 | 0.5 | 20-22 |
| Del-71-2 | 2 | 1 | 0.1 | 22 |
| | 3 | 8 | 1.5 | 20-29 |
| | 4 | 2 | 0.5 | 27-33 |
| | 5 | 8 | 1.8 | 20-30 |
| | 6 | 16 | 3.5 | 18-32 |
| | 7 | 1 | 0.1 | 21 |
| | 8 | 12 | 3.2 | 21-33 |
| | SOLEIDAE | | | |
| | *Gymnachirus melas*, naked sole | | | |
| Del-71-3 | 26 | 1 | 0.1 | 15 |
| | 51 | 1 | + | 14 |
| | 55 | 1 | 0.1 | 16 |
| Del-72-8 | 38 | 1 | 0.1 | 16 |
| | 46 | 2 | 0.3 | 16-17 |
| Del-72-15 | 31 | 1 | 0.1 | 15 |
| | 40 | 2 | 0.1 | 14-15 |
| | 71 | 1 | 0.1 | 16 |
| | 72 | 1 | 0.1 | 19 |
| | *Trinectes maculatus*, hogchoker | | | |
| D-69-23 | 27 | 2 | * | * |
| D-69-29 | 11 | 1 | * | 13 |
| | 15 | 10 | * | 11-15 |
| | 16 | 2 | * | 13-15 |
| | 20 | 1 | * | 11 |
| D-70-19 | 16 | 4 | 0.5 | 14-18 |
| | 18 | 13 | 1.6 | 15-18 |
| D-71-3 | 29 | 18 | 0.8 | 10-15 |
| | 30 | 1 | + | 11 |
| | 31 | 1 | + | 12 |
| | 32 | 31 | 1.1 | 9-14 |
| | 33 | 11 | 0.3 | 11-14 |
| D-71-11 | 8 | 7 | 0.7 | 13-18 |
| | 27 | 1 | 0.1 | 13 |
| | 29 | 1 | 0.1 | 12 |
| | 36 | 2 | 0.1 | 13 |
| | 47 | 10 | 0.9 | 13-18 |
| | 48 | 4 | 0.3 | 13-15 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Trinectes maculatus*--Cont. | | | |
| D-71-14 | 6 | 29 | 2.5 | 12-19 |
| | 8 | 1 | + | 14 |
| | 18 | 3 | 0.5 | 15-18 |
| | 19 | 9 | 0.8 | 13-19 |
| Del-71-3 | 34 | 13 | 0.3 | 9-12 |
| | 60 | 4 | 0.2 | 12-14 |
| Del-72-8 | 35 | 1 | 0.1 | 13 |
| Del-72-15 | 21 | 1 | 0.1 | 13 |
| | 44 | 3 | 0.1 | 11-13 |
| | 59 | 2 | 0.1 | 11 |
| | 61 | 1 | + | 10 |
| | CYNOGLOSSIDAE | | | |
| | *Symphurus civitatus*, offshore tonguefish | | | |
| Del-72-15 | 30 | 1 | + | 12 |
| | *Symphurus plagiusa*, blackcheek tonguefish | | | |
| D-68-13 | 2 | 1 | * | 15 |
| | 6 | 3 | * | * |
| | 9 | * | * | * |
| | 29 | * | * | * |
| | 33 | * | * | * |
| | 46 | * | * | * |
| D-69-23 | 11 | 3 | * | 14 |
| D-69-29 | 7 | 2 | * | 17-18 |
| | 11 | 1 | * | 15 |
| | 14 | 3 | * | 13-15 |
| | 15 | 1 | * | 14 |
| | 16 | 2 | * | 15-18 |
| | 17 | 1 | * | 16 |
| | 19 | 1 | * | 13 |
| | 20 | 1 | * | 11 |
| | 21 | 1 | * | 13 |
| | 23 | 1 | * | 14 |
| | 27 | 1 | * | 15 |
| D-71-3 | 3 | 1 | + | 11 |
| | 16 | 1 | + | 17 |
| | 17 | 1 | + | 16 |
| | 18 | 1 | 0.1 | 17 |
| | 22 | 1 | + | 15 |
| | 28 | 11 | 0.1 | 11-17 |
| | 29 | 17 | 0.6 | 11-15 |
| | 30 | 1 | + | 14 |
| | 31 | 1 | + | 15 |
| | 32 | 7 | 0.1 | 11-15 |
| | 35 | 1 | + | 14 |
| | 37 | 1 | + | 16 |
| | 39 | 3 | 0.1 | 14-17 |
| D-71-11 | 18 | 2 | + | 13 |
| Del-71-3 | 37 | 1 | + | 13 |
| Del-72-15 | 61 | 1 | + | 11 |
| | BALISTIDAE | | | |
| | *Aluterus monoceros*, unicorn filefish | | | |
| D-69-23 | 11 | 1 | * | 17 |
| | *Aluterus schoepfi*, orange filefish | | | |
| D-68-13 | 15 | 4 | 5.7 | * |
| D-69-15 | 13 | 1 | * | * |
| | 38 | 1 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Aluterus schoepfi--Cont. | | | |
| D-69-23 | 1 | * | * | * |
| | 8 | 1 | * | * |
| | 16 | 1 | * | 41 |
| | 34 | 2 | * | * |
| D-69-25 | 8 | 2 | * | 22-24 |
| | 10 | 1 | * | 25 |
| D-69-29 | 10 | 2 | * | 24-40 |
| | 19 | 1 | * | * |
| D-71-3 | 31 | 1 | 1.1 | 46 |
| | 34 | 20 | 19.5 | 35-54 |
| D-71-11 | 8 | 2 | 1.9 | 44-46 |
| | 35 | 5 | 2.5 | 10-47 |
| | 38 | 5 | 3.4 | 39-43 |
| Del-71-2 | 1 | 1 | 0.1 | 31 |
| Del-71-3 | 12 | 2 | 1.8 | 43-44 |
| | 13 | 28 | 21.3 | 37-47 |
| | 14 | 8 | 6.4 | 41-43 |
| | 15 | 1 | 0.7 | 41 |
| | 17 | 1 | 0.7 | 41 |
| | 20 | 2 | 1.6 | 39-45 |
| | 24 | 1 | 1.2 | 47 |
| | 25 | 2 | 2.0 | 44-45 |
| | 26 | 6 | 4.8 | 39-46 |
| | 27 | 5 | 3.9 | 37-48 |
| | 29 | 5 | 5.2 | 44-49 |
| | 30 | 1 | 1.5 | 50 |
| | 32 | 3 | 3.4 | 44-46 |
| | 33 | 3 | 3.5 | 46-47 |
| | 38 | 3 | 3.4 | 46-50 |
| | 39 | 3 | 3.6 | 44-51 |
| | 40 | 10 | 10.4 | 40-49 |
| | 41 | 1 | 1.2 | 48 |
| | 43 | 1 | 0.2 | 28 |
| | 45 | 3 | 3.4 | 45-50 |
| | 52 | 1 | 0.9 | 52 |
| | 55 | 5 | 2.3 | 28-42 |
| | 57 | 5 | 4.8 | 40-46 |
| Del-72-8 | 9 | 2 | 1.4 | 39-43 |
| | 10 | 1 | 0.9 | 44 |
| | 11 | 1 | 0.5 | 41 |
| | 14 | 1 | 0.8 | 44 |
| | 16 | 2 | 1.6 | 40-42 |
| | 20 | 1 | 1.1 | 46 |
| | 23 | 1 | 1.1 | 47 |
| | 24 | 3 | 3.2 | 42-49 |
| | 25 | 18 | 10.9 | 33-50 |
| | 30 | 3 | 2.7 | 44-46 |
| | 32 | 8 | 8.6 | 45-55 |
| | 33 | 2 | 2.3 | 49-50 |
| | 37 | 4 | 3.4 | 43-46 |
| | 38 | 5 | 5.9 | 46-50 |
| | 41 | 6 | 7.0 | 43-52 |
| | 43 | 9 | 8.2 | 39-50 |
| | 44 | 3 | 2.7 | 43-46 |
| | 45 | 8 | 9.5 | 45-50 |
| | 50 | 1 | 0.7 | 42 |
| | 51 | 1 | 0.5 | 39 |
| | 52 | 35 | 30.8 | 35-51 |
| | 53 | 7 | 4.1 | 29-52 |
| | 56 | 1 | 0.6 | 42 |
| | 59 | 6 | 5.0 | 33-50 |
| | 60 | 2 | 1.6 | 43-46 |
| | 67 | 3 | 2.0 | 39-44 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Aluterus schoepfi*--Cont. | | | |
| Del-72-15 | 17 | 10 | 4.5 | 26-46 |
| | 18 | 3 | 2.5 | 41-47 |
| | 19 | 9 | 5.9 | 38-44 |
| | 21 | 1 | 0.3 | 38 |
| | 25 | 2 | 1.8 | 45-47 |
| | 26 | 7 | 6.8 | 41-48 |
| | 27 | 4 | 3.2 | 40-49 |
| | 32 | 9 | 7.3 | 41-49 |
| | 33 | 5 | 5.9 | 45-49 |
| | 34 | 3 | 2.0 | 42-45 |
| | 35 | 4 | 4.5 | 42-46 |
| | 40 | 7 | 8.2 | 40-53 |
| | 46 | 2 | 2.3 | 45-46 |
| | 49 | 6 | 8.2 | 46-54 |
| | 52 | 4 | 5.0 | 47-50 |
| | 53 | 3 | 3.9 | 46-50 |
| | 54 | 2 | 2.0 | 46-52 |
| | 60 | 1 | 1.1 | 45 |
| | 61 | 1 | 0.9 | 46 |
| | 62 | 2 | 1.7 | 44-46 |
| | 63 | 1 | 0.8 | 45 |
| | 67 | 3 | 2.0 | 42-44 |
| | 69 | 1 | 0.9 | 42 |
| | *Aluterus scriptus*, scrawled filefish | | | |
| D-69-23 | 27 | 1 | * | 28 |
| D-71-11 | 36 | 1 | 0.1 | 21 |
| Del-71-3 | 18 | 3 | 0.1 | 19-25 |
| | 28 | 2 | 0.1 | 16-26 |
| | 30 | 2 | 0.1 | 17-20 |
| | 37 | 2 | 0.2 | 26-27 |
| | 43 | 1 | 0.2 | 24 |
| | 44 | 2 | 0.2 | 22-25 |
| | 50 | 1 | 0.1 | 19 |
| | 51 | 2 | 0.1 | 19 |
| | 55 | 1 | 0.1 | 28 |
| | 57 | 1 | 0.2 | 34 |
| Del-72-8 | 17 | 1 | 0.1 | 21 |
| | 37 | 2 | 1.1 | 43-45 |
| | 38 | 1 | 0.2 | 32 |
| | 45 | 2 | 0.6 | 25-26 |
| | 46 | 2 | 0.2 | 24-25 |
| Del-72-15 | 16 | 1 | 0.2 | 31 |
| | 17 | 2 | 0.5 | 27-32 |
| | 24 | 2 | 0.2 | 21-25 |
| | 40 | 1 | 0.5 | 36 |
| | *Balistes capriscus*, gray triggerfish | | | |
| D-69-23 | 10 | 1 | * | * |
| D-69-29 | 22 | 1 | * | 10 |
| D-71-11 | 26 | 1 | 0.2 | 27 |
| Del-71-3 | 8 | 1 | 0.1 | 11 |
| | 10 | 3 | 0.2 | 15-16 |
| | 26 | 8 | 0.6 | 11-14 |
| | 28 | 1 | + | 15 |
| | 30 | 7 | 0.5 | 13-16 |
| | 31 | 1 | + | 12 |
| | 37 | 17 | 1.5 | 13-19 |
| | 38 | 1 | + | 14 |
| | 41 | 1 | 0.1 | 19 |
| | 43 | 4 | 0.2 | 11-13 |
| | 44 | 2 | 0.1 | 11-16 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Balistes capriscus*--Cont. | | | |
| | 45 | 1 | 0.1 | 12 |
| | 49 | 6 | 0.5 | 12-13 |
| | 55 | 3 | 0.4 | 14-24 |
| | 56 | 1 | + | 13 |
| | 57 | 2 | 2.0 | 27-45 |
| Del-72-8 | 8 | * | * | * |
| | 17 | 3 | 0.2 | 12-14 |
| | 26 | 1 | 0.1 | 13 |
| | 29 | 5 | 1.9 | 13-45 |
| | 43 | 1 | 0.1 | 15 |
| | 44 | 3 | 0.1 | 16-17 |
| | 46 | 2 | 0.1 | 14 |
| | 53 | 1 | 0.1 | 18 |
| Del-72-15 | 7 | 1 | 0.1 | 14 |
| | 8 | 1 | 0.1 | 20 |
| | 9 | 1 | 0.1 | 17 |
| | 11 | 1 | 0.9 | 40 |
| | 15 | 5 | 0.3 | 13-16 |
| | 17 | 3 | 0.6 | 18-22 |
| | 34 | 1 | 0.1 | 19 |
| | 40 | 2 | 0.2 | 15-25 |
| | 41 | 1 | 0.1 | 18 |
| | 43 | 1 | 0.1 | 20 |
| | 46 | 2 | 0.2 | 18-20 |
| | 48 | 1 | 0.1 | 18 |
| | 55 | 6 | 0.5 | 14-19 |
| | 63 | 1 | 0.2 | 23 |
| | 70 | 1 | 0.1 | 15 |
| | *Balistes vetula*, queen triggerfish | | | |
| Del-72-8 | 68 | 1 | 3.6 | 60 |
| Del-72-15 | 71 | 1 | 3.5 | 61 |
| | *Canthidermis sufflamen*, ocean triggerfish | | | |
| D-69-23 | 8 | 1 | * | * |
| | 9 | 1 | * | * |
| D-69-29 | 1 | 1 | * | 32 |
| | *Monocanthus ciliatus*, fringed filefish | | | |
| Del-71-3 | 37 | 1 | + | 11 |
| | 55 | 1 | + | 12 |
| Del-72-8 | 46 | 5 | 0.1 | 11-13 |
| | 47 | 1 | + | 12 |
| Del-72-15 | 31 | 1 | 0.1 | 12 |
| | *Monocanthus hispidus*, planehead filefish | | | |
| D-68-13 | 11 | 45 | 11.3 | * |
| | 12 | * | * | * |
| D-69-9 | 24 | 1 | * | * |
| | 25 | 12 | * | * |
| | 32 | 1 | * | * |
| | 34 | 1 | * | * |
| | 36 | 1 | * | * |
| | 40 | 1 | * | * |
| | 59 | 1 | * | * |
| D-69-23 | 1 | 35 | * | * |
| | 2 | 16 | * | * |
| | 3 | 21 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Monocanthus hispidus*--Cont. | | | |
| | 4 | 14 | * | * |
| | 5 | 3 | * | * |
| | 6 | 5 | * | * |
| | 7 | 3 | * | * |
| | 8 | 18 | * | * |
| | 9 | 3 | * | * |
| | 10 | 6 | * | * |
| | 11 | 32 | * | * |
| | 13 | 2 | * | * |
| | 14 | 15 | * | 10-20 |
| | 15 | 7 | * | * |
| | 16 | 1 | * | * |
| | 30 | 1 | * | * |
| | 36 | 1 | * | 16 |
| | 38 | 1 | * | * |
| | 45 | 1 | * | 12 |
| D-69-25 | 5 | 1 | * | 12 |
| | 6 | 3 | * | 10-13 |
| | 7 | 1 | * | 13 |
| | 8 | 3 | * | 10-11 |
| | 10 | 1 | * | 11 |
| | 12 | 1 | * | * |
| | 13 | 2 | * | 10 |
| D-69-29 | 1 | 14 | * | 22-27 |
| | 2 | 9 | * | 12-19 |
| | 3 | 1 | * | 7 |
| | 4 | 5 | * | 21-23 |
| | 6 | 1 | * | 27 |
| | 7 | 2 | * | 10-12 |
| | 9 | 5 | * | 21-25 |
| | 10 | 33 | * | 9-25 |
| | 11 | 10 | * | 18-24 |
| | 13 | 8 | * | 6-24 |
| | 14 | 2 | * | 5-23 |
| | 16 | 21 | * | 8-23 |
| | 17 | 3 | * | 19-24 |
| | 18 | 86 | 13.8 | 15-24 |
| | 19 | * | 16.3 | 18-21 |
| | 20 | 13 | * | 16-22 |
| | 21 | 2 | * | 11-18 |
| | 22 | 1 | * | 19 |
| | 23 | 1 | * | 17 |
| D-71-3 | 21 | 5 | 0.9 | 21-23 |
| | 22 | 1 | 0.2 | 23 |
| D-71-11 | 21 | 3 | + | 5-11 |
| | 22 | 1 | 0.1 | 11 |
| | 35 | 1 | 0.1 | 23 |
| | 38 | 12 | 2.0 | 18-24 |
| | 39 | 2 | 0.2 | 21-23 |
| | 40 | 8 | 1.6 | 14-25 |
| | 45 | 1 | + | 11 |
| Del-71-3 | 5 | 5 | 0.2 | 5-14 |
| | 6 | 9 | 0.5 | 7-14 |
| | 7 | 2 | 0.1 | 11-24 |
| | 10 | 1 | 0.1 | 11 |
| | 13 | 6 | 1.1 | 18-25 |
| | 14 | 7 | 0.7 | 10-24 |
| | 15 | 3 | 0.2 | 13-23 |
| | 18 | 20 | 1.4 | 11-20 |
| | 20 | 5 | 0.2 | 6-22 |
| | 21 | 1 | + | 9 |
| | 22 | 2 | 0.1 | 9-12 |
| | 26 | 8 | 0.3 | 7-11 |
| | 27 | 66 | 10.9 | 6-25 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Monocanthus hispidus*--Cont. | | | |
| | 28 | 27 | 2.7 | 10-25 |
| | 29 | 8 | 0.5 | 10-24 |
| | 31 | 3 | 0.1 | 8-9 |
| | 37 | 8 | 0.2 | 5-11 |
| | 38 | 5 | 0.1 | 7-11 |
| | 39 | 1 | + | 4 |
| | 43 | 2 | 0.1 | 9-12 |
| | 44 | 12 | 0.8 | 6-21 |
| | 45 | 2 | 0.1 | 10-11 |
| | 48 | 2 | 0.1 | 11 |
| | 49 | 13 | 0.7 | 7-16 |
| | 50 | 10 | 0.5 | 9-24 |
| | 51 | 10 | 0.7 | 11-22 |
| | 52 | 1 | + | 12 |
| | 55 | 124 | 9.5 | 10-24 |
| | 56 | 32 | 5.0 | 9-29 |
| | 57 | 246 | 31.3 | 9-25 |
| | 58 | 4 | 0.6 | 2-24 |
| | 59 | 13 | 2.0 | 16-24 |
| | 61 | 1 | + | 12 |
| | 63 | 3 | 0.1 | 9-12 |
| | 64 | 4 | 0.2 | 12-16 |
| Del-72-8 | 8 | * | * | * |
| | 9 | 4 | 0.7 | 19-24 |
| | 10 | 13 | 2.5 | 18-25 |
| | 11 | 4 | 1.0 | 22-26 |
| | 12 | 1 | + | 16 |
| | 16 | 2 | 0.4 | 23-25 |
| | 17 | 20 | 2.9 | 11-24 |
| | 18 | 4 | 0.5 | 12-22 |
| | 24 | 2 | 0.6 | 23-24 |
| | 25 | 1 | 0.2 | 25 |
| | 26 | 5 | 0.6 | 13-15 |
| | 30 | 1 | 0.2 | 22 |
| | 43 | 4 | 0.8 | 20-23 |
| | 44 | 1 | 0.1 | 12 |
| | 45 | 4 | 1.4 | 12-29 |
| | 46 | 181 | 8.6 | 10-26 |
| | 47 | 14 | 1.4 | 12-23 |
| | 52 | 2 | 0.5 | 24-26 |
| | 54 | 4 | 0.2 | 10-15 |
| | 59 | 2 | 0.2 | 23-24 |
| | 60 | 14 | 3.2 | 22-25 |
| | 67 | 9 | 1.8 | 21-25 |
| | 68 | 24 | 4.5 | 19-26 |
| | 70 | 21 | 3.2 | 19-24 |
| Del-72-15 | 7 | 1 | 0.1 | 23 |
| | 8 | 2 | 0.5 | 22-25 |
| | 9 | 1 | 0.2 | 23 |
| | 12 | 2 | 0.2 | 16-19 |
| | 15 | 25 | 3.4 | 12-25 |
| | 16 | 11 | 2.3 | 21-27 |
| | 17 | 77 | 13.2 | 12-24 |
| | 18 | 7 | 1.7 | 20-25 |
| | 19 | 5 | 1.1 | 20-25 |
| | 20 | 1 | 0.1 | 21 |
| | 24 | 2 | 0.5 | 23-26 |
| | 25 | 2 | 0.2 | 20-23 |
| | 26 | 4 | 0.8 | 21-24 |
| | 31 | 48 | 3.2 | 13-22 |
| | 32 | 6 | 0.5 | 13-16 |
| | 40 | 2 | 0.1 | 12-14 |
| | 47 | 1 | 0.1 | 17 |
| | 49 | 1 | 0.1 | 13 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Monocanthus hispidus*--Cont. | | | |
| | 52 | 4 | 0.5 | 14-26 |
| | 53 | 3 | 0.5 | 23-30 |
| | 54 | 2 | 0.6 | 23-25 |
| | 55 | 3 | 0.4 | 15-24 |
| | 62 | 1 | 0.1 | 13 |
| | 63 | 35 | 6.8 | 12-26 |
| | 67 | 16 | 2.8 | 19-24 |
| | 68 | 12 | 2.3 | 14-25 |
| | 69 | 29 | 4.5 | 15-23 |
| | 70 | 163 | 22.2 | 14-25 |
| | 71 | 60 | 7.0 | 14-23 |
| | 74 | 2 | 0.3 | 19-21 |
| | OSTRACIIDAE | | | |
| | *Lactophrys quadricornis*, scrawled cowfish | | | |
| D-69-23 | 8 | 1 | * | 28 |
| D-69-29 | 11 | 2 | * | * |
| D-71-3 | 25 | 1 | + | 22 |
| | 34 | 1 | 0.1 | 24 |
| Del-71-3 | 27 | 4 | 1.1 | 25-30 |
| | 32 | 1 | 0.1 | 17 |
| | 43 | 1 | + | 4 |
| | 44 | 2 | 0.5 | 22-25 |
| | 45 | 1 | 0.4 | 22 |
| | 57 | 1 | 0.3 | 31 |
| Del-72-8 | 16 | 2 | 0.4 | 24-25 |
| | 23 | 1 | 0.2 | 22 |
| | 29 | 1 | 1.9 | 45 |
| | 32 | 1 | 0.1 | 24 |
| | 37 | 1 | 0.3 | 23 |
| | 43 | 1 | 0.1 | 19 |
| | *Lactophrys quadricornis*--Cont. | | | |
| | 44 | 3 | 0.8 | 21-25 |
| | 51 | 1 | 0.3 | 22 |
| | 60 | 1 | 0.2 | 22 |
| Del-72-15 | 17 | 4 | 1.7 | 22-32 |
| | 41 | 1 | 0.2 | 19 |
| | 45 | 1 | 0.9 | 37 |
| | 64 | 1 | 0.2 | 11 |
| | *Lactophrys trigonus*, trunkfish | | | |
| Del-71-3 | 46 | 1 | + | 6 |
| | *Lactophrys triqueter*, smooth trunkfish | | | |
| Del-71-3 | 26 | 1 | + | 3 |
| | TETRAODONTIDAE | | | |
| | *Lagocephalus laevigatus*, smooth puffer | | | |
| D-69-23 | 14 | 1 | * | 19 |
| Del-71-3 | 44 | 2 | 0.2 | 12-18 |
| Del-72-8 | 19 | 1 | 0.1 | 17 |
| | *Sphoeroides dorsalis*, marbled puffer | | | |
| Del-72-8 | 18 | 2 | 0.2 | 16 |
| | 25 | 1 | + | 12 |
| | 26 | 3 | 0.6 | 18-19 |
| | 43 | 1 | 0.1 | 15 |
| | 46 | 2 | 0.2 | 18 |
| Del-72-15 | 31 | 1 | 0.2 | 20 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Sphoeroides maculatus*, northern puffer | | | |
| D-68-7 | 10 | 3 | * | * |
| | 14 | 1 | * | 21 |
| D-68-13 | 1 | 3 | 0.5 | 14-18 |
| | 2 | 4 | * | 16-22 |
| | 4 | * | * | * |
| | 5 | * | * | * |
| | 10 | 8 | * | * |
| | 11 | 11 | 1.4 | * |
| | 12 | 5 | * | * |
| | 15 | 1 | * | * |
| | 21 | 3 | * | * |
| | 22 | * | * | * |
| | 23 | * | * | * |
| | 24 | * | * | * |
| | 25 | * | * | * |
| | 26 | 5 | * | * |
| | 27 | * | 1.4 | * |
| | 29 | * | * | * |
| | 30 | * | * | * |
| | 31 | * | * | * |
| | 32 | 7 | * | * |
| | 38 | * | * | * |
| | 39 | * | * | * |
| | 40 | 6 | * | * |
| | 41 | 3 | * | * |
| | 42 | * | * | * |
| | 43 | 6 | * | * |
| | 44 | 20 | 3.2 | * |
| | 45 | 15 | 2.3 | 16-22 |
| | 46 | 1 | * | * |
| | 49 | * | * | * |
| | 50 | 45 | * | * |
| | 51 | * | * | * |
| | 54 | * | * | * |
| D-69-9 | 4 | 3 | * | * |
| | 6 | 1 | * | * |
| | 7 | * | * | * |
| | 8 | 700 | * | 11-27 |
| | 9 | * | 362.9 | 13-22 |
| | 10 | 800 | 45.4 | 13-22 |
| | 11 | * | 249.5 | 14-25 |
| | 12 | 25 | * | * |
| | 13 | 50 | * | * |
| | 14 | * | * | * |
| | 15 | 200 | * | * |
| | 16 | 100 | * | * |
| | 17 | 30 | * | * |
| | 19 | 30 | * | * |
| | 20 | 30 | * | * |
| | 21 | 50 | * | * |
| | 22 | 15 | * | * |
| | 23 | * | 3.6 | * |
| | 24 | 200 | * | * |
| | 25 | 2 | * | * |
| | 26 | 14 | * | * |
| | 27 | 30 | * | * |
| | 29 | 25 | * | * |
| | 30 | 30 | * | * |
| | 31 | 45 | * | * |
| | 32 | 16 | * | * |
| | 33 | 20 | * | * |
| | 34 | 25 | * | * |
| | 35 | 40 | * | * |
| | 36 | 6 | * | * |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | Sphoeroides maculatus--Cont. | | | |
| | 39 | 30 | * | * |
| | 40 | 70 | * | * |
| | 41 | 50 | * | * |
| | 42 | 20 | * | * |
| | 46 | 55 | * | 15-21 |
| | 47 | 30 | * | * |
| | 48 | 75 | * | * |
| | 50 | 200 | * | * |
| | 51 | 50 | * | * |
| | 52 | 50 | * | * |
| | 53 | 55 | * | * |
| | 54 | 80 | * | * |
| | 55 | 25 | * | 18-26 |
| | 56 | 40 | * | 12-24 |
| | 57 | 50 | * | * |
| | 60 | 1 | * | 1 |
| D-69-15 | 12 | 8 | * | * |
| | 13 | 23 | * | * |
| | 14 | 5 | * | 20 |
| | 26 | 25 | * | * |
| | 27 | 2 | * | * |
| | 36 | 1 | * | * |
| | 68 | 56 | * | * |
| | 69 | 37 | * | * |
| D-69-21 | 1 | 1 | * | * |
| | 3 | 3 | * | 18-23 |
| | 4 | 2 | * | * |
| D-69-23 | 4 | 4 | * | * |
| | 7 | 1 | * | * |
| | 13 | 1 | * | * |
| | 14 | 1 | * | 9 |
| | 15 | 2 | * | 15-17 |
| | 16 | 5 | * | * |
| | 17 | 1 | * | * |
| | 21 | 2 | * | * |
| | 22 | 17 | * | * |
| | 23 | 2 | * | * |
| | 25 | * | * | * |
| | 27 | 11 | * | * |
| | 29 | 3 | * | * |
| | 31 | 10 | * | * |
| | 32 | 114 | * | 8-24 |
| | 33 | 8 | * | * |
| | 34 | 2 | * | * |
| | 35 | 4 | * | * |
| | 44 | 3 | * | 8-20 |
| | 45 | 5 | * | * |
| D-69-25 | 1 | 50 | * | * |
| | 2 | 2 | * | * |
| | 3 | 1 | * | * |
| | 7 | 7 | * | * |
| | 8 | 5 | * | * |
| | 9 | * | * | 8-25 |
| | 10 | 6 | * | 6-23 |
| | 12 | 26 | * | * |
| | 13 | 35 | * | 8-21 |
| D-69-29 | 1 | 1 | * | 20 |
| | 2 | 1 | * | 10 |
| | 9 | 3 | * | 6-23 |
| | 12 | 1 | * | 20 |
| | 13 | 1 | * | 20 |
| | 16 | 5 | * | 18-27 |
| | 18 | 1 | * | 20 |
| | 19 | 1 | * | 14 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) | Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|---|---|---|---|---|
| | Sphoeroides maculatus--Cont. | | | | | Sphoeroides maculatus--Cont. | | | |
| | 20 | 10 | * | 19-28 | D-71-14 | 1 | 17 | 0.1 | 6-8 |
| | 21 | * | 11.3 | * | | 6 | 2 | 0.7 | 21-23 |
| | 22 | 5 | * | 16-26 | | 18 | 2 | 0.3 | 7-25 |
| | 23 | 21 | * | * | | 19 | 6 | 1.4 | 8-23 |
| | 24 | 9 | * | 9-22 | | 26 | 7 | 0.1 | 6-8 |
| | 25 | 6 | * | 14-19 | Del-71-3 | 7 | 11 | 2.3 | 11-25 |
| | 26 | 1 | * | 14 | | 13 | 2 | 0.3 | 20 |
| | 27 | 5 | * | 15-18 | | 21 | 1 | 0.1 | 13 |
| D-70-16 | 6 | 1 | 0.1 | 18 | | 24 | 1 | 0.1 | 12 |
| | 9 | 12 | 2.9 | 17-22 | | 28 | 1 | 0.1 | 13 |
| D-70-19 | 9 | 39 | 14.7 | 13-21 | | 43 | 1 | 0.1 | 15 |
| | 10 | 3 | 0.7 | 16-23 | | 46 | 2 | 0.1 | 18-19 |
| | 16 | 1 | 0.2 | 22 | | 51 | 1 | 0.1 | 15 |
| | 39 | 14 | 3.6 | 6-25 | | 57 | 3 | 0.3 | 12-19 |
| | 40 | 27 | 9.1 | 5-27 | | 59 | 24 | 5.0 | 18-25 |
| D-71-3 | 6 | 1 | 0.1 | 23 | | 60 | 1 | + | 13 |
| | 7 | 6 | 1.4 | 20-22 | | 61 | 2 | 0.1 | 9-12 |
| | 8 | 1 | 0.1 | 22 | | 62 | 6 | 0.1 | 8-10 |
| | 14 | 2 | 0.2 | 20-21 | | 64 | 1 | 0.1 | 14 |
| | 17 | 1 | 0.1 | 19 | | 65 | 2 | + | 7-10 |
| | 18 | 1 | 0.2 | 22 | | 66 | 2 | + | 6 |
| | 25 | 2 | 0.2 | 10-18 | | 67 | 2 | 0.6 | 21-23 |
| | 26 | 1 | 0.1 | 19 | Del-72-8 | 9 | 1 | 0.1 | 12 |
| | 35 | 1 | 0.2 | 24 | | 16 | 2 | 0.1 | 13-20 |
| | 36 | 2 | 0.3 | 18-20 | | 17 | 1 | 0.1 | 17 |
| | 37 | 6 | 1.4 | 11-24 | | 24 | 1 | 0.1 | 20 |
| D-71-11 | 4 | 1 | 0.2 | 23 | | 25 | 1 | 0.1 | 15 |
| | 8 | 4 | 1.1 | 20-28 | | 44 | 1 | 0.1 | 20 |
| | 18 | 3 | 0.2 | 10-13 | | 64 | 9 | 2.7 | 20-28 |
| | 42 | 1 | 0.1 | 22 | | 65 | 6 | 1.4 | 10-23 |
| | 46 | 2 | 0.3 | 11-22 | | 71 | 2 | 0.2 | 15-21 |
| | 47 | 24 | 4.8 | 14-24 | | 72 | 2 | 0.1 | 9-10 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Sphoeroides maculatus*--Cont. | | | |
| Del-72-15 | 1 | 1 | 0.2 | 21 |
| | 7 | 1 | + | 10 |
| | 8 | 3 | 0.1 | 9-16 |
| | 21 | 2 | 0.1 | 12 |
| | 62 | 1 | 0.2 | 20 |
| | 66 | 1 | 0.1 | 12 |
| | 67 | 1 | + | 10 |
| | 68 | 2 | 0.1 | 12-13 |
| | 76 | 3 | 0.1 | 9-10 |
| | *Sphoeroides nephelus*, southern puffer | | | |
| Del-72-8 | 25 | 1 | 0.1 | 16 |
| Del-71-3 | 27 | 2 | 0.1 | 10-14 |
| | 28 | 1 | + | 13 |
| | 29 | 1 | 0.1 | 18 |
| | 30 | 1 | 0.1 | 17 |
| | 36 | 2 | 0.1 | 13-15 |
| | 37 | 1 | 0.1 | 15 |
| | 43 | 2 | 0.1 | 13-19 |
| | 56 | 1 | + | 10 |
| Del-72-8 | 7 | 1 | + | 14 |
| | 45 | 1 | 0.1 | 14 |
| Del-72-15 | 40 | 4 | 0.2 | 16-19 |
| | 64 | 3 | 0.2 | 14-16 |
| | DIODONTIDAE | | | |
| | *Chilomycterus schoepfi*, striped burrfish | | | |
| D-68-13 | 3 | 1 | * | * |
| | 11 | 1 | * | * |

| Cruise | Stn. | Catch No. | Catch Wt.(kg) | Range (cm) |
|---|---|---|---|---|
| | *Chilomycterus schoepfi*--Cont. | | | |
| | 32 | * | * | * |
| | 42 | * | * | * |
| | 46 | 1 | * | * |
| | 47 | * | * | * |
| D-69-9 | 16 | 1 | * | * |
| | 27 | * | * | * |
| D-69-23 | 1 | 1 | * | * |
| | 16 | 1 | * | * |
| D-69-29 | 10 | 1 | * | 20 |
| | 18 | 2 | * | 17-28 |
| | 20 | 1 | * | 10 |
| | 23 | 2 | * | 12-16 |
| | 27 | 1 | * | 11 |
| D-71-3 | 19 | 2 | 0.2 | 12-15 |
| | 25 | 1 | + | 9 |
| D-71-11 | 9 | 1 | 0.2 | 18 |
| | 21 | 1 | 0.1 | 13 |
| | 26 | 1 | 0.3 | 22 |
| | 32 | 1 | 0.3 | 20 |
| | 38 | 3 | 0.7 | 19-23 |
| D-71-14 | 18 | 1 | 0.2 | 17 |
| | 19 | 4 | 2.2 | 18-20 |
| Del-71-3 | 24 | 1 | 0.1 | 13 |
| | 27 | 1 | 0.2 | 18 |
| | 29 | 2 | 0.1 | 8-9 |
| | 30 | 1 | + | 7 |
| | 37 | 1 | 0.1 | 9 |
| | 51 | 1 | 0.1 | 19 |
| | 55 | 3 | 0.2 | 9 |
| | 56 | 1 | 0.1 | 19 |
| | 57 | 3 | 1.1 | 20-23 |

Appendix Table 2.--Continued.

| Cruise | Stn. | Catch No. | Catch Wt. (kg) | Range (cm) |
|---|---|---|---|---|
| | *Chilomycterus schoepfi*--Cont. | | | |
| Del-72-8 | 16 | 1 | 0.1 | 18 |
| | 17 | 1 | 0.1 | 19 |
| | 21 | 3 | 0.6 | 17 |
| | 59 | 1 | 0.1 | 21 |
| | 67 | 2 | 0.5 | 17-18 |
| Del-72-15 | 17 | 1 | 0.2 | 20 |
| | 31 | 1 | 0.1 | 15 |
| | 36 | 1 | 0.2 | 19 |
| | 54 | 1 | 0.2 | 15 |
| | 55 | 1 | 0.2 | 19 |
| | 64 | 1 | 0.5 | 23 |
| | 70 | 4 | 1.8 | 17-27 |
| | *Diodon hystrix*, porcupinefish | | | |
| Del-72-15 | 64 | 1 | 0.9 | 34 |



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